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Oil, Paint and Drug Reporter

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air Trade Legislation pproved by President

Acting against the advice of both the partment of Justice and the Federal ade Commission, President Truman ned the McGuire fair trade bill (H. R. 67) into law July 13. He explained that ile he had some misgivings about the ect of state fair trade laws on competi-n he did not believe they are as harm-t as some people have asserted.

The McGuire bill validates the non-ner clause of state fair trade laws, hich had been struck down by the Su-eme Court of the United States in the hwegemann case. The court held that e Miller-Tydings act, which allows man-acturers to fix the retail price of his oducts in states having fair trade laws, vered only those contracts signed by e retailer.

All but Missouri, Texas, Vermont and e District of Columbia have fair trade ws, and most of them have the so-called n-signer clause. This clause, which is w revitalized by the McGuire bill, makes necessary for only one retailer in the ate to have a written contract with the anufacturer to make the retail price ed in the contract binding upon all her retailers.

TC-Justice Dept. Campaign

FTC and the Department of Justice ve waged a campaign against the fair ade laws for years, without ever con-ncing congress that the Miller-Tydings t should be repealed. Within a few eeks after the Supreme Court decision the Schwegemann case, the Depart-ent of Justice launched a drive against anufacturers endeavoring to continue eir price maintenance policies.

In explaining his reason for signing the ll in light of every expectation that he ould veto the measure, Mr. Truman said at while he feels that the fair trade laws lo remove some competitive forces which

—Continued on page 62

luorspar Output Increase im of New DMPA Pact

An agreement was entered into July 17 the Defense Materials Procurement gency with St. Lawrence Fluorspar, Inc., increase the production of acid grade uorspar by 50,000 tons a year. The gov-rnment has agreed to advance the com-any $1,250,000 to get the expansion un-er way.

The total output of the additional facili-es will go for defense and other essen-al industrial uses. The contract covers a eriod of four years or until 150,000 short ns of final concentrate have been pro-uced from the additional facilities.

Penicillin Output Target By 1955 Is Announced

An expansion goal for penicillin, providing for an annual capacity of 600,000,000,000,000 units by January 1, 1955, was announced July 15 by Ralph S. Trigg, deputy administrator for program and requirements, Defense Production Administration. This represents an expansion of about 350,000,000,000,000 units over the capacity of about 250,000,000,000,000 units on January 1, 1951. Of this capacity, 25,000,000,000,000 units were completed in 1950.

DPA pointed out that penicillin is highly essential not only for the military program, but also for civilian health. It is of prime importance for treating battle casualties. The death rate from wounds has been reduced to the lowest point in history largely because of it. It also has cut the death rate resulting from penumonia, meningitis and many other diseases.

Schleuter Assistant Director Of NPA Chemical Division

L. A. Schleuter has been named assistant director of the chemical division of the National Production Authority. Mr. Schleuter joined NPA in December, 1950, as chief of the coaltar chemicals, dyes, and intermediates branch of the division. During World War II, he served with the chemical branch of the War Production Board for four and a half years, first as a consultant on coaltar chemicals and later as chief of the aromatics and intermediates branch.

In industry, he served with the tar products division of Koppers Company, as general production manager of the Susquehanna Chemical Corporation, and as a member of the staff of the American Coke and Coal Chemicals Institute.

Distilled Spirits Decontrolled

Suspension of ceiling price controls on bulk distilled spirits was announced by the Office of Price Stabilization July 18, effective immediately. The action, which includes suspension of the ceilings on neutral spirits in bulk quantities, was taken in GOR 7, revision 1, amendment 3. OPS explained that the prices of all bulk distilled spirits are tied to the relative supplies and prices of bulk whisky.

Chemical Industry Ranks Third In Tax Amortization Approvals

The chemical industry's expansion program since the start of the mobilization drive through June 20 entailed an investment in new plants and equipment amounting to $2,416,173,000, with applications on file and yet to be acted upon involving a further investment of $1,072,112,000, an analysis of tax amortization certificates issued by the Defense Production Administration shows.

Officials of the agency said that the figures contained in the DPA records, however, only tell part of the story because they show only those new investments that come to the attention of the agency through applications for certificates of necessary authorizing rapid amortization of the new facilities in the interest of national defense. Millions more of new investments, they add, unquestionably have been and are being made by the industry for which no certificates are sought.

In the position of the various industries obtaining certificates between April 15 and June 20, the chemical and allied products industry moved from fourth to third place by accounting for $387,000,000 of investments approved during the period, or 13.4 percent of the total against 9 percent in the period February 25 through April 13, the period previously covered by the analysis.

Chemical Investments Rank Fourth

Over the entire period of the mobilization program, the new investments by the chemical and allied industries of $2,416,173,000 were 11.3 percent of the investments of all industry and were exceeded only by the public utilities with $3,307,965,000, transportation and storage with $3,848,807,000 and iron and steel with $3,722,593,000.

Pending on June 20 were 340 applications for certificates for further expansions in the chemical and allied industries involving investments of $1,082,112,000 or 18.2 percent of the total proposed investment of all industry amounting to $5,933,143,000. DPA had approved 11,529 certificates covering investments of $21,295,262,000 in all industries, and denied 5,489 certificates involving $3,744,652,000.

During the period June 27 through July 2, DPA approved certificates covering twenty-five additional expansion programs in the chemical and allied industries, including ten more projects for expansion of styrene production facilities. These are part of the plastics expansion program for which the certificates were first issued during the previous week.

Newly Issued Tax Certificates

The latest batch of certificates were for the following products, applicant, plant location, plant investment certified and

—Continued on page 70

US Setting Up New Mica Purchase Depot

Plans are being completed for the establishment of a purchase depot for high grade mica at Franklin, N. H., it was announced July 15 by Jess Larson, administrator of General Services and of the Defense Materials Procurement Agency. The new station, similar to ones now being set up at Spruce Pine, N. C., and Custer, S. D., will be operated by the emergency procurement service of GSA for DMPA.

Incentive prices will be paid to encourage the discovery, development and production of domestic mica. The government is primarily interested, Mr. Larson said, in hand cobbed or processed mica that will yield satisfactory quantities of strategic grades of the material. Purchases under the incentive program will be for the National Stockpile and to meet other essential needs. Forty-five pounds of block or film mica are the minimum individual shipments that will be accepted at the purchase depot, while hand-cobbed mica must be offered in lots of at least 1,000 pounds.

Prices paid will depend on the quality of the mica, ranging from $3 a pound for No. 5½ and No. 6 "heavy stained" mica, up to $70 a pound for No. 3 and larger "good stained and better" processed block and film mica. The government has reached the equivalent of 25,000 short tons of hand-cobbed mica.

Castor Oil Use Limitations Relaxed Further by USDA

A further easing of restrictions on uses of castor oil subject to Defense Food Order 1, as amended, was announced last week by the Department of Agriculture.

Appendix A (which specifies the permitted percentage uses of castor oil) to the order has been amended, effective July 1, to (1) increase, by 20 percentage points, the use of castor oil in each of the specified class uses now limited to 30 or 60 percent of the base period use, and (2) decrease the permitted use of castor oil in the production of sebacic acid from "unlimited use" to 100 percent of the base period use.

The increases from the 60 percent to the 80 percent category announced last week include the following class uses:—Textiles, imitation leather and coated fabrics; brake lining; paint, varnish, lacquer, resins, and vehicles; pigment and dye; lubricating grease, and plastics. The class use designated as "all other" is increased from 30 percent to 50 percent of the base period use. No change is made in the class uses already contained in the 100 percent category.

IMC Slates Nickel, Cobalt Allocations for 3rd Quarter

Free world supplies of nickel and cobalt were allocated for the third quarter at a slightly higher amount than for the earlier quarters of this year by the International Materials Conference last week.

The estimated total availabilities of primary nickel and oxides for the third quarter amount to 36,580 metric tons as against 35,195 metric tons in the second quarter. Cobalt supplies amount to 2,475 metric tons in the third quarter compared with 4,413 tons distributed in the first half of 1952.

In the allocation scheme, the United States was assigned 24,626.5 metric tons or 54,292,074 pounds of nickel, and 1,583.9 metric tons of cobalt. IMC agreed to make arrangements whereby domestic users in the United States or in other countries would have the opportunity to purchase any nickel or cobalt allocated to other countries and not used by such country.

USDA Considering Lifting Mexican Cotton Oil Curbs

Notice was published in the *Federal Register* July 16 by the Department of Agriculture of intentions to modify existing quarantine orders concerning the importation of cotton and cotton products so as to lift the restrictions against imports of cottonseed oil from Mexico. Interested persons were given thirty days to comment on the revised regulations in writing to the chief of the Bureau of Entomology and Plant Quarantine.

Regulations covering the importation of cottonseed cake and meal also were proposed to be revised so as to combine all the regulations under one quarantine. No fundamental changes in this part of the regulation is contemplated, and imports of these products would be allowed only if found to be free of contamination by an inspector at the port of entry.

Synthetic Cryolite Accord Signed by US, Alcoa Unit

The Defense Materials Procurement Agency last week entered into a contract with the Aluminum Ore Company to increase its production of synthetic cryolite.

Up to the present time, the company has produced this material only for the use of its parent concern, the Aluminum Company of America. The DMPA contract calls for an increase in production of approximately 11,000 tons a year and provides for the sale to the government of 42,600 tons between now and 1956 at a price of 13.9 cents a pound for 91 percent cryolite.

Ethyl Alcohol, Soda Ash Goals Set

Expansion goals for industrial ethyl cohol and soda ash were announced ily 14 for Ralph S. Trigg, deputy admin-trator of the Defense Production Admin-tration for program and requirements. he goals call for the production of 410,-00,000 gallons of industrial ethyl alcohol id 5,200,000 short tons of soda ash by anuary 1, 1955.

The industrial ethyl alcohol goal repre-nts an expansion of 12,000,000 gallons ver the January 1, 1951, capacity of 98,000,000 gallons. Capacity in 1955 will xceed the goal because of 22,000,000 gal-ns of capacity which has already re-ived government assistance and 70,000,-00 gallons of unassisted expansion which as been completed or is nearing comple-on.

January 1, 1951, soda ash capacity of 700,000 short tons exceeded the goal now stablished by 500,000 short tons. DPA xplained that much less soda ash is ex-ected to be used in the next few years in ne manufacture of caustic soda by the me-soda process because of the expanded roduction of electrolytic caustic soda. uantities of electrolytic caustic soda are eing made available through the chlorine xpansion program because the electro-tic production of chlorine customarily co-roduces caustic soda.

In more normal times approximately 60 ercent of the production of industrial al-ohol is used in the manufacture of im-ortant chemicals, the agency pointed out. uring the present emergency, production f GR-S, government-produced synthetic rubber, has been taking 40 percent of the industrial alcohol output but this demand is expected to decrease or be eliminated entirely. Soda ash, DPA noted, is produced from natural deposits (about 7.5 percent) and chemically by the ammonia soda process (about 92.5 percent).

Polyethylene Use Controls Off Soon, NPA Discloses

Allocation controls on polyethylene probably will be removed in the near future, the National Production Anuthority revealed last week. Removal of polyethylene from allocation curbs is possible as a result of increased production capacity from new facilities and the proportionvilian demands, the agency said.

Expansion goals set for the chemical industry would double the output of plastics by 1955. Since new production facilities are in Texas and Southern California, the distribution of polyethylene should improve in the western area, an NPA official said.

NPA Posts to Two

The National Production Authority has named Lyall Tracy deputy assistant administrator of the chemical, rubber and forest products bureau. Albert G. Natwick, former chief of the raw materials branch of the pulp, paper and paperboard division of NPA, has been appointed to take over Mr. Tracy's previous duties as director of that division.

Sulphur Export Quota Boost Urged by Trade

Facing a possible cutback in permitted uses of sulphur for insecticidal purposes because of an unexpected drop in requirements this year, the pesticide formulators industry advisory committee last week urged the National Production Authority to liberalize its quotas for exports of ground sulphur and sulphur containing formulations so that such materials as are not needed domestically can be shipped to fulfill contracts abroad.

The amount of sulphur available for use in the production of insecticides is governed to a large extent by the Department of Agriculture, which is the claimant agency for the agricultural industry. Officials do not regard sulphur as an efficient insecticidal agent in the light of the newer developments in the insecticide industry, and they would like to see some of the sulphur diverted to other agricultural uses. In view of the needs of agriculture for sulphur, department officials also are critical of the amount of sulphur allowed for export.

Domestic Demand Short of Needs

The formulators committee at its meeting with NPA reported that the current domestic demand for sulphur for dusting purposes and pesticide formulations has fallen considerably short of previously estimated requirements. As a result, inventories of producers and distributors and stocks held by farmers greatly exceed requirements for the current growing season. Industry representatives explained that dry weather, in cotton growing areas especially, has significantly reduced customary infestations of agricultural pests.

NPA told the committee that domestic pesticidal use of ground sulphur for 1952 is expected to fall 172,000,000 pounds below the 1951 usage of 528,000,000 pounds, and outlined these four factors believed to be responsible for the appreciable reduction in domestic requirements for pesticidal purposes:—

Factors in Pesticidal Use Decline

1. New synthetic fungicides, such as the dithiocarbamates, organic mercurials and others, and new miticides including parathion, TEPP, and other specialized chemicals, have been demonstrated to be more efficient than sulphur over wide areas and rapidly are coming into larger use.

2. Spray concentrates for low-volume application have come into more extensive use in the last year or two. Since sulphur cannot be used in these concentrates, it has been displayed still more by this development.

3. Publicity regarding the need for conservation of pesticidal sulphur by

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Carbide Appoints 3 Fine Chemicals Ass't Managers

H. B. McClure, vice-president of Carbide & Carbon Chemicals Company, a division of Union Carbide & Carbon Corporation, New York, has announced the appointments of John Conway, J. A. Field and W. A. Woodcock as assistant managers to Dr. R. L. Bateman, manager of the company's fine chemicals division. Mr. Conway was formerly product manager in charge of nitrogen, chlorine and sulphur compounds; Mr. Field was product manager for intermediates, and Mr. Woodcock was product manager for plasticizers, solvents and resin stabilizers.

The recent announcement of Carbide's new coal-hydrogenation plant with its expected flood of new chemicals, accentuates the demands to be placed on this Division whose job it is to advance new materials from sample distribution to tank car sales, Mr. McClure explained. These new appointments represent a delegation of responsibility for sales development work caused by the large increase in new materials during the past few years, and in view of the expected increase in the future.

Alcoa Seeking 2-Cent Boost In Ceiling for Pig Aluminum

A ceiling price increase of 2 cents a pound for pig aluminum and an increase of 10 percent in ceilings for fabricated and semi-fabricated aluminum products was requested by the Aluminum Company of America, Pittsburgh, Pa., in a petition to the Office of Price Stabilization July 16.

The ceiling on pig aluminum is 18 cents a pound at present while ceilings on various fabricated and semi-fabricated aluminum products are computed under price regulations 22, 30, 60, 110 and 118.

Gulf Research Co. Splits Chemistry Division in Two

The chemistry division of Gulf Research & Development Company at Harmarville, Pa., has been divided into a product division and a process division. Dr. H. A. Ambrose has been appointed director of the product division. Dr. C. W. Montgomery has been named director of the process division with W. C. Offutt serving as assistant director.

RFC Loan Goes to Arizona Copper, Molybdenum Project

A loan of $94,000,000 to the San Manuel Copper Corporation, Pinal County, Ariz., to expand the production of copper and molybdenum was announced July 13 by the Reconstruction Finance Corporation.

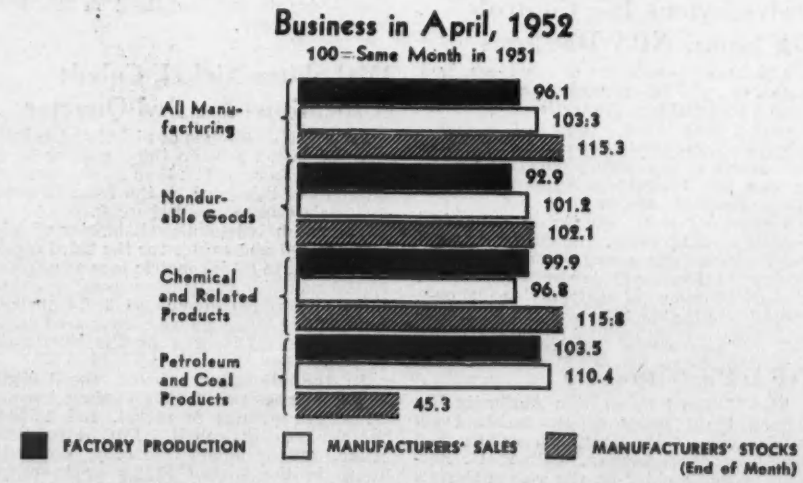
The San Manuel project includes the development of an underground mine for the production of 10,000,000 tons of ore annually. In addition, this project includes milling and smelting facilities, utilities, transportation facilities, and development of a townsite.

Expert estimates indicate that these new mining facilties should begin production by 1957. Full operation should obtain approximately 140,000,000 pounds of copper and 6,000,000 pounds of molybdenum annually. The result will be an 8 percent increase in copper and a 16 percent increase in molybdenum over the United States' 1951 production.

Graphite Allocation Removal Urged on NPA by Industry

The complete removal or revision, of allocation on artificial graphite products and carbon electrodes (order M-66) in the fourth quarter of 1952 was recommended July 17 at a meeting of the producers with the National Production Authority. Industry members said there is now a safe balance between supply and demand of these items and the need for allocations to consumers is unnecessary.

An interim expansion goal for artificial graphite was announced by the Defense Production Administration recently, which would increase the annual production capacity by 149,400,000 pounds over its present capacity to 352,000,000 pounds in 1954. Committee members predicted that the artificial graphite industry shows possibilities of great growth in the future and the 1954 production estimate was not an impossible achievement.



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Index Takes Slight Dip

The overall price index fell 0.38 p last week. Heavy chemicals showed w ness, with a substantial decline in car tetrachloride and a further reduction quicksilver. In agricultural chemic dried blood and tankage declined, w potassium muriate, was advanced Trona. An increase in tapioca flour tured the textile and leather chemi market. Price changes in botani weighed heavily on the down side were mainly responsible for the dec in the overall index number.

Prominent among the lowered bot cals were ergot, Canadian balsam karaya gum, African and Jamaican gin roots, senna pods and liverwort lea The essential oils market was in the m of the summer lull. Price advances w limited to clove and Dalmatian sage Coriander oil was down. Both the d and petroleum markets were quiet, re tering no price changes.

Fats and oils were featured by consid able price activity, all of which ten downward with the exception of a rise peanut oil. Among reductions in this m ket were copra, lard, and coconut, c cottonseed and soybean oils. Protec coatings materials were featured by an vance in casein and a reduction in milion red. Coal chemicals registe advances in mercaptobenzothiazole mercaptobenzothiazyl disulphide.

Except for fifty-three changes in tanicals listed on page 69, price chan during the past week were as follows numbers in parentheses after changes dicate the pages on which the market ports will be found):—

Prices Advanced

Casein, Argentine, 1c. per lb. (75).
Mercaptobenzothiazole, 1c. per lb. (52).
Mercaptobenzothiazyl disulphide, 1½c. per lb.
Oil, clove, $1.50 per lb. (71).
Peanut, crude, 1c. per lb. (80).
ref., 1c. per lb.
Sage, Dalmatian, 70c. per lb. (71).
Potassium muriate, Trona, 2½c. per unit of (48).
Tapioca flour, 1½c. per lb. (47).

Prices Reduced

Acid, cottonseed, ½c. per lb. (80).
Soybean, ½c. per lb.
Stearic, ½c. per lb.
Tallow, ½c. per lb.
hydrog., 1c. per lb.
Carbon tetrachloride, .013c. per lb. (40).
Copra, $10 per ton (80).
Dried blood, 25c. per unit of ammonia (48).
Greases, ¼c. to ½c. per lb. (80).
Lard, ¼c. per lb. (80).
Naphthalene, crude, imp., ¼c. per lb. (52).
Oil, coconut, crude, Pac. coast, 1c. per lb. (80)
N. Y., ⅜c. per lb.
ref., ¼c. per lb.
Coriander, 50c. per lb. (71).
Corn, crude, ⅜c. per lb. (80).
ref., ⅜c. per lb.
Cottonseed, crude, ¼c. per lb. (80).
ref., ¼c. per lb.
Oiticica, ¼c. per lb. (80).
Rapeseed, ½c. per lb. (80).
Red, ½c. per lb. (80).
Soybean, crude, ⅜c. per lb. (80).
ref., alkali, ¼c. per lb.
clarif., ¼c. per lb.
salad, ⅜c. per lb.
Tallow, ¼c. per lb. (80).
Quicksilver, $3 per flask (40).
Red, vermilion, quicksilver, 4c. per lb. (75).
Tankage, 25c. per unit of ammonia (48).

OPD Price Index

The Oil, Paint and Drug Reporter relative record of prices of chemicals related materials is currently as follows

(100=1949 average)

July 18, 1952	July 11, 1952	July 20, 1951
110.07	110.45	115.52

US Weighing Tariff Change On Chlorophyll Formulatio

The Bureau of Customs gave notice week that it is considering a modificat of its classification of water soluble fo of chlorophyll and chlorophyllin wh will result in higher duties being requi for imports of these products. Interes persons were given thirty days wit which to record their views in writing the Commissioner of Customs.

These products have been dutiable the modified rate of 7½ percent ad lorem under paragraph 38 of the ta act of 1930, as extracts and preparati of vegetable origin used for dyeing, co ing, staining, or tanning. The bureau s that it has since been brought to its tention that these articles now are chi used for deodorizing and for medici and therapeutic purposes, and theref are properly dutiable as chemical c pounds under paragraph 5 of the ta law.

Chemical Exports, Imports Increased Slightly in May

United States foreign trade in che cals and related products improved slig ly in May over April according to p liminary figures of the Bureau of C sus. Exports of domestic and fore chemical and related products increas to $69,600,000 in May from the April ure of $68,400,000, and imports rose fr $18,800,000 to $19,200,000 during the sa period.

Shortening Inst. Favors Pretesting of Chemicals

The Institute of Shortening and Edible Oils has endorsed the pre-testing of all new chemical ingredients used in foods sold to the public. The institute also came out in support of control over the substances by the Food and Drug Administration.

In a five-point statement of principles, the organization said, "We believe it to be a proper function of government to control those factors which may affect adversely public health. Therefore, we believe the results of animal experimentation in pre-testing new substances proposed for use in food should be reviewed and approved by the Food and Drug Administration before the substance is allowed to be used in food sold to the public."

While sanctioning FDA control, the institute pointed out that "there should be proper provision for appeal to the courts in case of an arbitrary ruling or unreasonable delay on the part of the administrator in making the ruling."

Other points made by the institute were that the food industries have a responsibility "to assure adequate safeguards against contamination and adulteration which would render human food unwholesome," that all new substances "not represented by long usage in human diet" should be subject to animal experimentation to prove them unhazardous to the public health, and that pre-testing by manufacturers should be required by law.

Sulphur Shortage Virtually Ended, Freeport Pres. Says

The world sulphur shortage, critical since the outbreak of the Korean War, has improved to the point where virtually all sulphur requirements in the United States are being met, Langbourne M. Williams, jr., president of Freeport Sulphur Company, declared last week. Furthermore, he added, the outlook for the future is "extremely encouraging" as a result of nearly 100 new projects in the United States and other free world countries that will substantially increase the supply of sulphur in various forms.

These projects, it is estimated, will add approximately 4,000,000 long tons of sulphur per year by the end of 1955, he said. This amount is equivalent to one-third of the estimated 1951 free world production of about 12,000,000 tons of sulphur in all forms.

"The large gap between sulphur supply and demand no longer exists," Mr. Williams said. "Although sulphur consumption is still under government limitation, all but a few consumers in this country are getting all the sulphur they need, and the situation abroad has also improved.

CSC Pharmaceuticals Mgr.

T. P. DeFarkas has been appointed general manager of the pharmaceuticals division by Commercial Solvents Corporation, New York. Under the direction of Mr. DeFarkas, the division will now handle both domestic and foreign pharmaceutical marketing activities for the company. Thomas C. Callery will continue as assistant general manager of CSC pharmaceuticals.

Pfizer & Co. Establishes New Subsidiary in Brazil

Establishment of Pfizer Inter-American, S.A., a subsidiary of Chas. Pfizer & Co., Brooklyn, N. Y., which will process and distribute antibiotics and other pharmaceutical products in Brazil, was announced in Rio de Janeiro July 18 by John E. McKeen and John J. Powers, president and vice-president, respectively, of the parent firm.

With a plant for the subdividing and processing of Pfizer products in Sao Paulo and headquarters in Rio de Janeiro, Pfizer Inter-American will soon be distributing its own penicillin, terramycin and dihydrostreptomycin to medical centers in Brazil. In addition to this full range of antibiotics, the new plant will be equipped to process other new medicinal products such as "Cotinazin," Pfizer's brand of isonicotinic acid hydrazide, now being tested against tuberculosis.

Pfizer Inter-American will also distribute antibiotic feed supplements containing penicillin and terramycin, veterinary antibiotic products and the Pfizer line of fine chemicals for the food and pharmaceutical industries. Previously Fursland Laboratories had distributed the Pfizer antibiotics in Brazil. Recently, however, arrangements were made with Fursland to collaborate with Pfizer in the establishment of the new Brazilian company.

US to File Antitrust Suit Against Seven Oil Firms

Attorney General James P. McGranery announced July 17 that charges of alleged antitrust law violations will be filed with a federal grand jury in Washington by the Department of Justice against seven major oil companies, including two foreign-owned firms.

He said the charges will be directed chiefly at an alleged world-wide cartel and will name the Standard Oil Company (New Jersey), Standard Oil Company of California, the Texas Company, Socony-Vacuum Oil Company, Gulf Oil Corporation, Anglo-Iranian Oil Company, and Royal Dutch Shell Company.

Both civil and criminal indictments will be sought, the Attorney General stated. The civil case will be to bring an end to practices used to restrain trade and to effect release of patents used to maintain the alleged cartel, he added.

An investigation of the international oil situation was recently completed by the Federal Trade Commission and its findings are to figure in the presentation of the case to the grand jury, Mr. McGranery stated. The FTC's report has been the subject of a controversy in congressional quarters because the State Department had prevented its publication on the grounds that it might upset the delicate international oil problem growing out of the Iranian situation.

Earlier this month, the Mutual Security Agency stopped its financing of crude oil going from the middle east to western Europe, claiming that it was overcharged $50,000,000 by three American companies on the Middle East oil. The action affected millions of dollars of crude oil scheduled to be shipped this year to Great Britain, France, Italy, Netherlands, Germany, Portugal, Sweden and Formosa. The overcharges are alleged on shipments between May, 1949, and December, 1951. The firms involved deny any price irregularities.

National Distillers Buys Algonquin Chemical Co.

National Distillers Products Corporation, New York, has announced that it is acquiring the business and assets of Algonquin Chemical Company. Algonquin, a maker of chlorine, caustic soda and sulphuric acid, has plants at Huntsville, Ala.; Dubuque, Iowa, and Lawrence, Kan.

The acquisition, a company official said, will insure a supply of these basic raw materials required by National Distillers in its expanding chemical activities. No change in operation or personnel at the Algonquin plants is planned.

National Distillers also revealed that it has completed arrangements for the sale of its White Rock division to a group of private investors, who will continue the existing business as the White Rock Company. The move marks the concern's complete withdrawal from the soft drink field.

Scientific Gains Hailed At duPont Anniversary

The "vast unexplored area of science" opened up by advancing technology is a "new continent" fully as rich and as abundant as the geographical America of 150 years ago and "as full of promise for the future," Crawford H. Greenewalt, president of E. I. duPont de Nemours & Co., Wilmington, said July 18. He spoke at ceremonies, at the site of the first duPont mill, marking the 150th anniversary of the company.

"The possibilities in increased productivity alone" from this world of science "are enough to expand our standard of living substantially beyond its present high level," he predicted in a talk which was broadcast to duPont employees in plants throughout the country as well as to a nationwide radio audience.

Mr. Greenewalt declared the possibilities "are of a scale and a diversity far beyond the comprehension" of anyone in his audience Friday. Nearly 7,000 people were invited to the natural amphitheater at the site of the first duPont mill on Brandywine Creek just on the outskirts of Wilmington.

Marker Dedicated

Henry B. duPont, great-great-grandson of Eleuthere Irenee duPont, founder of the company, and a vice-president and member of the duPont executive committee, traced the influence on the company of some of the earlier members of the duPont family. Walter S. Carpenter, jr., chairman of the board, and a former president of the company, dedicated a marker formed by one of two huge millstones ordered from France by the company's founder.

About 6,000 of the spectators invited were Wilmington employees and representatives from each of duPont's seventy-one plants and many of its laboratories and sales offices. Others were members of the duPont family, a group of state and city government leaders and representatives of the schools, churches, and the major manufacturing, business, and financial stablishments in Wilmington and Delaware.

Mr. Greenewalt said that Eleuthere Irenee duPont came to the United States from France to find freedom, and that here he had been free to build his enterprise on his own initiative, free "to undertake the risks, carry the burdens, and reap the rewards."

"Many others had the same encouragement and the same will to achievement," he said. "And so did their children and their children's children through many generations, bringing to us of the present day the cumulative accomplishments under freedom's banner."

Mortgaging of Freedom Charged

Yet today, Mr. Greenewalt said, "freedom has been mortgaged—bit by bit—on the plea of crisis or emergency. Rights of minorities in the economic area have been disregarded, to the point where the virtues

—Continued on page 62

Washington Talks It Over

By Ralph L. Cherry

United States trade policies, their manner of administration and their effect upon the basic objectives of the Mutual Security Program to lift the economic and military strength of the free world, are being put through a searching examination by the public advisory board of MSA at the request of President Truman. The examination is designed to complement and expand the two previous economic studies by Gordon Gray on our foreign economic policies and the President's Materials Policy Commission on the raw materials outlook.

The results of the study will not be known until sometime after President Truman leaves office (if he is successful in convincing the Democratic Party and the country that he no longer wants to be President). But regardless of who is President at the time, the results will doubtlessly have an important bearing on the future tariff policies of the government. For this is one of the early questions facing a new administration next year, when the reciprocal trade agreements act comes up for renewal.

The main reason for requesting the study was Mr. Truman's knowledge that there appears to be a considerable misunderstanding abroad of our trade policies. What the Europeans can't understand is our spending billions to build up their industries so as to expand their dollar earnings, while at the same time our enacting restrictive laws to further the interests of particular American producers by cutting down the imports of various foreign goods which can offer competition in American markets.

Mr. Truman has asked the advisory board to consider all aspects of our foreign policy. In particular, he asked that the board examine our tariff policy, with special reference to the expiration of the reciprocal trade agreements act; import restrictions, including quotas and customs procedures; agricultural policies affecting foreign trade; maritime laws and regulations concerning carriage of American goods; and what to do about the problems of domestic producers who may be injured by certain types of foreign commerce. He also asked that it look into the role of international agencies in the trade field—having in mind the International Materials Conference particularly.

Quality of Soybeans

European oilseeds crushers have been complaining that the quality of many cargoes of American soybeans is below standard, particularly in respect to foreign material. A recheck by the Department of Agriculture of the records of inspection has not disclosed any inspection irregularities, but because of the large stake of American soybean producers in the European market, it has sent a special representative to Copenhagen to learn first hand the nature of the complaints and to ascertain possible remedial action.

As a first step, an arrangement was worked out whereby some cargo samples drawn at United States ports would be made available to European graders to determine first whether there is a difference in the interpretation of foreign material in Europe compared with United

—Continued on page 38

Lever Industrial Sales Mgr.

William H. Cochrane has been named to the newly-created post of industrial sales manager of Lever Brothers Company, New York. Mr. Cochrane will have overall responsibility for the bulk edible and glycerin sales departments as well as a new unit, the industrial detergent sales department. He comes to Lever from the American Alcolac Corporation, where he was general manager and sales manager. Previously, he was associated in various capacities with U. S. Industrial Chemicals Company.

Stauffer Signs Accord For New Fertilizer Unit

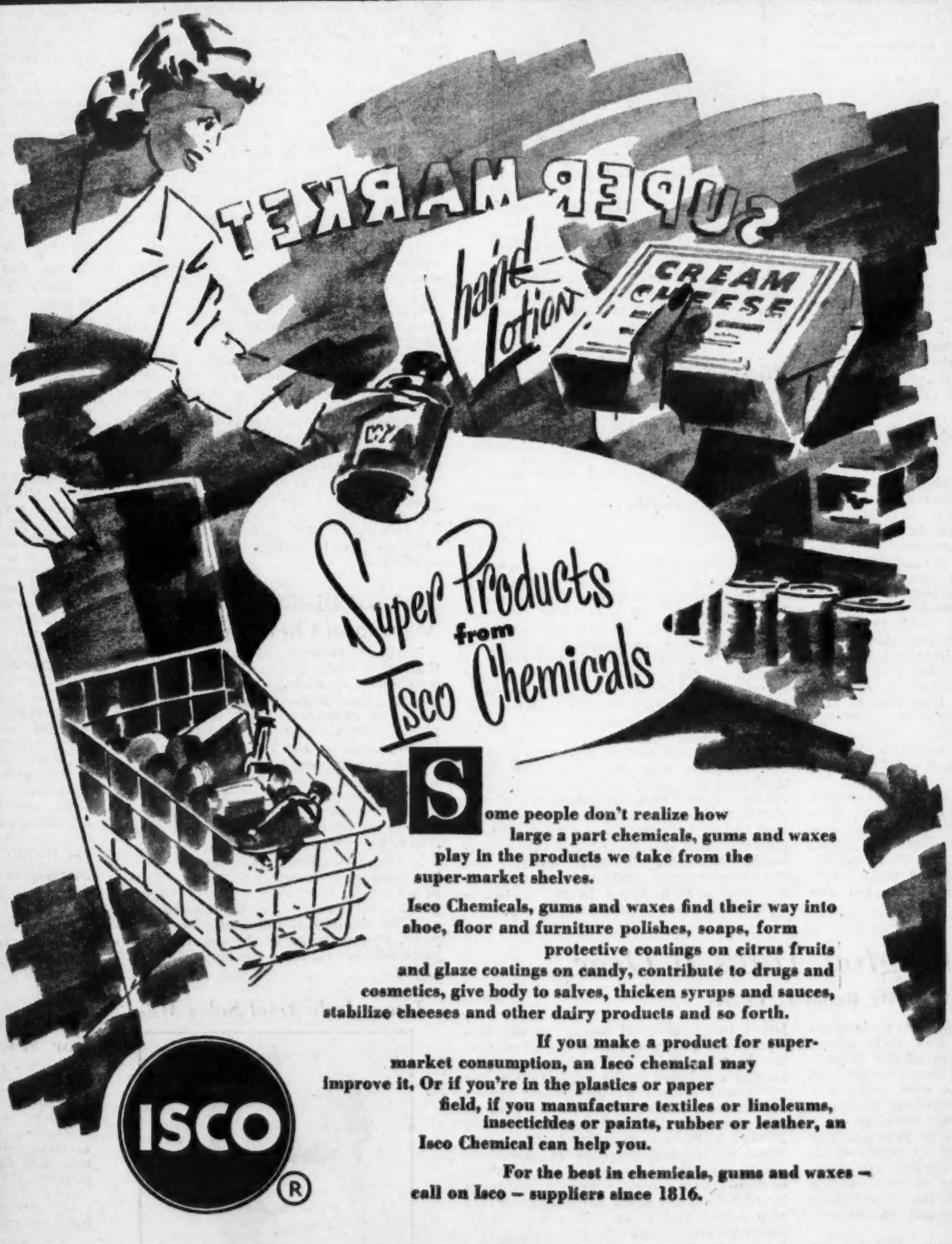
Stauffer Chemical Company, San Francisco, Calif., has announced that an agreement has been reached with the American Smelting & Refining Company and the Kennecott Copper Corporation for the erection and operation of a large plant near Salt Lake City, Utah, to produce approximately 60,000 tons per year of concentrated phosphate fertilizers. In addition, phosphoric acid will be produced there by the wet process.

Phosphate rock will come from Stauffer's deposits in Wyoming and Idaho, and sulphuric acid from Garfield Chemical Company's plant now being enlarged at Salt Lake City. The additional acid will come from smelter gases, and will not require sulphur. The recovery of uranium and vanadium is contemplated. Construction will get under way late this summer, and the plant will go on stream during the summer of 1953. Garfield is jointly owned by American Smelting and Kennecott Copper.

The joint company, as yet unnamed, will be capitalized for between $4,000,000 and $5,000,000. Approximately 600 acres have been reserved for the operation.

Goodrich Appoints Scull

The B. F. Goodrich Company, Akron, Ohio, has announced that William W. Scull has been named director of purchases and traffic, effective September 1. Mr. Scull has been general manager of manufacturing services for Goodrich since 1947.



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Association Meetings

erican Association of Textile Chemists and olorists, annual meeting, Statler hotel, Bos-n, Mass., November 6-8.
erican Chemical Society, national meeting, tlantic City, N. J., September 14-19.
erican College of Apothecaries, annual con-ention, Warwick hotel, Philadelphia, August 1-23.
erican Council of Commercial Laboratories, nnual meeting, Schenley hotel, Pittsburgh, a., November 12-14.
erican Drug Manufacturers Association, ac-ounting section, annual meeting, Greenbrier otel, White Sulphur Springs, W. Va., Octo-er 27-29.
erican Pharmaceutical Association, cen-nial meeting, Bellevue-Stratford hotel, hiladelphia, August 17-23.
erican Pharmaceutical Manufacturers Asso-iation, midyear meeting, Waldorf-Astoria otel, New York, December 8-10.
erican Soybean Association, annual conven-on, Purdue University, Lafayette, Ind., eptember 9-11.
erican Standards Association, annual meet-ng, Waldorf-Astoria hotel, New York, No-ember 19.
erican Tung Oil Association, annual meet-ng, Admiral Semmes hotel, Mobile, Ala., ctober 8-10
ociation of Consulting Chemists and Chem-al Engineers, annual symposium, Belmont laza hotel, New York, October 28.
g, Chemical and Allied Trades section of ew York Board of Trade, annual meeting, ocono Manor Inn, Pocono Manor, Sep-ember 25-28.
eral Wholesale Druggists Association, an-ual convention, Greenbrier hotel, White Sul-hur Springs, W Va., September 14-18
leration of Paint and Varnish Production lubs, annual meeting, Palmer House, Chi-ago, November 20-22.
x Institute of the United States, annual eeting, Minneapolis, Minn., November 6-7.
ernational Grassland Congress, Pennsylvania tate College, State College, Pa., August 17-23.
hufacturing Chemists Association, semi-nnual meeting and winter conference, Stat-r hotel, New York, November 25.
ional Agricultural Chemicals Association, nnual meeting, Essex and Sussex hotel, pring Lake, N. J., September 3-5.
ional Paint, Varnish and Lacquer Associa-on, annual convention, Palmer House, Chi-ago, November 17-19.
ional Pest Control Association, annual eeting, Rice hotel, Houston, Tex., October 0-22.
ional Petroleum Association, annual meet-ng, Traymore hotel, Atlantic City, N. J., eptember 10-12.
ional Wholesale Druggist Association, an-ual meeting, Ambassador and Ritz Carlton otels, Atlantic City, N. J., September 28-ctober 1.
kaging Machinery Manufacturers Institute, nnual meeting, Homestead hotel, Hot prings, Va., September 11-14.
iety of Cosmetic Chemists, semi-annual eeting, Biltmore hotel, New York, Decem-er 11.

hloromycetin Study Group ing Established by NRC

A committee of medical experts in the ds of internal medicine and hematology being set up by the National Research uncil to study the evidence that use of antibiotic chloromycetin has been re-nsible for the development of blood eases in a number of patients.

The committee is being established at request of Food and Drug Administra-n, which is now going through a mass data and records from doctors all over country on reactions that have de-oped in patients using the drug. These a will be turned over to the committee its scientific advice on how best to cor-t the problem.

Because the drug has proved to be a table remedy for a large number of nents, FDA has no desire to eliminate from the market entirely, but hopes to trict its use to specific diseases for ich it is best suited. Advice from the C committee is being sought to this d.

ealth Needs Commission ts Public Hearing Dates

A series of open public hearings in eight jor cities have been scheduled by the sident's Commission on the Health eds of the Nation, according to Ches-I. Barnard, acting Commission chair-n.

A member of the President's Commis-n will preside at each of the hearings. will be assisted by a local chairman in h of the regions where hearings are to held. A stenographic transcript of all proceedings will be recorded for use the commissioners in writing their al report. Following is a list of the aring dates and cities:—

August 11, Philadelphia; August 18, uston, Tex.; August 25, Raleigh, N. C.; ptember 2, Minneapolis, Minn.; Septem-15, St. Louis, Mo.; September 22, eveland, Ohio; September 23, Detroit, ch., and September 29, San Francisco, lif.

Oils, Fats, Consumption: May

Factory consumption of primary oils, fats, fatty acids, and related materials, in May, 1952, totaled 1,269,398,000 pounds, according to the Bureau of Census. Consumption in the major specified lines of industry included the following quantities:—

	Pounds
Edible products	290,076,000
Paint and varnish	44,501,000
Processing	296,223,000
Refining	427,930,000
Soap	116,235,000

Factory consumption of individual materials was reported as follows:—

Oils

	Pounds	
Babassu—	Crude	Refined
Refining	[1]	.....
Soap	[1]	[1]
Other	.....	.....
Castor—	No. 1.	No. 2.
Refining	[1]	.....
Fat-splitting	[1]	.....
Sulphonation	150,000	260,000
Soap	[1]	[1]
Paint and varnish	248,000	15,000
Linoleum and oilcloth	.....	[1]
Chemicals	[1]	[1]
Lubricants and greases	[1]	26,000
Other uses	[3]3,138,000	[3]309,000
Castor, dehydrated—		
Soap	.....	.....
Paint and varnish	.....	992,000
Linoleum and oilcloth	.....	[2]
Lubricants and greases	.....	[2]
Other uses	.....	[3]297,000
Coconut—	Crude	Refined
Refining	35,342,000	.....
Deodorizing	.....	7,345,000
Hydrogenation	.....	3,745,000
Fat-splitting	4,161,000	.....
Shortening	.....	2,311,000
Sulphonation	45,000	[1]
Other edible products	[1]	3,456,000
Chemicals	[1]	[1]
Soap	7,537,000	8,408,000
Paint and varnish	.....	274,000
Other uses	1,060,000	[1]
Cod and codliver—		All grades
Sulphonation	.....	[4]
Deodorizing	.....	.....
Paint and varnish	.....	.....
Other uses	.....	[4]668,000
Corn—	Crude	Refined
Refining	19,003,000	.....
Sulphonation	.....	.....
Deodorizing	.....	2,656,000
Winterizing for salad oil	.....	6,852,000
Shortening	.....	[1]
Oleomargarine	.....	.....
Other edible uses	[1]	6,432,000
Soap	[1]	[1]
Paint and varnish	.....	[1]
Other uses	[3]105,000	136,000
Cottonseed—	Crude	Refined
Refining	106,771,000	.....
Sulphonation	.....	.....
Hydrogenation	.....	37,250,000
Deodorizing	.....	1,421,000
Winterizing for salad oil	.....	44,289,000
Shortening	.....	17,929,000
Oleomargarine	.....	6,771,000
Other edible uses	.....	958,000
Soap	.....	.....
Paint and varnish	[1]	[1]
Other uses	[1]	[3]74,000
Fish—	Menhaden	Sardine
Refining	[4]	[4]
Fat-splitting	.....	.....
Sulphonation	[4]	268,000
Soap	.....	.....
Paint and varnish	1,132,000	767,000
Linoleum and oilcloth	[2]	48,000
Lubricants and greases	80,000	[4]
Other uses	[4]866,000	[4]192,000
Fish, other—	Crude	Refined
Refining	.....	.....
Paint and varnish	40,000	104,000
Other uses	691,000	325,000
Fishliver, other than cod—		
Sulphonation	.....	[4]
Lubricants and greases	.....	.....
Other uses	.....	[4]749,000
Linseed—	Raw	Refined
Refining	19,558,000	.....
Fat-splitting	.....	.....
Soap	[1]	[1]
Paint and varnish	9,905,000	14,164,000
Linoleum and oilcloth	6,376,000	985,000
Lubricants and greases	[1]	[1]
Other uses	[5]5,320,000	[5]3,278,000
Marine mammal—		All grades
Refining	.....	.....
Sulphonation	.....	345,000
Paint and varnish	.....	.....
Chemicals	.....	[1]
Lubricants and greases	.....	990,000
Other uses	.....	247,000
Neatsfoot—		All grades
Refining	.....	.....
Sulphonation	.....	69,000
Soap	.....	[4]
Chemicals	.....	[4]
Lubricants and greases	.....	19,000
Other uses	.....	[1]176,000
Oiticica—		All grades
Paint and varnish	.....	549,000
Linoleum and oilcloth	.....	[1]
Other uses	.....	181,000
Olive—	Edible	Inedible
Edible uses	137,000	.....
Soap	.....	[1]
Other uses	13,000	.....
Oleo—		All grades
Shortening	.....	14,000
Oleomargarine	.....	[2]
Other edible uses	.....	[2]
Soap	.....	[2]
Lubricants	.....	[2]
Other uses	.....	[2]
Palm—	Crude	Refined
Soap	[1]	[1]
Lubricants and greases	[1]	[1]
Other uses	2,561,000	[1]
Palmkernel—	Crude	Refined
Soap	.....	.....
Peanut—	Crude	Refined
Refining	[1]	.....
Sulphonation	.....	162,000
Hydrogenation	.....	1,083,000
Deodorizing	.....	2,811,000
Winterizing for salad oil	.....	[1]
Shortening	.....	360,000
Oleomargarine	.....	[1]
Other edible uses	.....	548,000
Soap	[1]	[1]
Other uses	[1]	[3]212,000
Perilla—		All grades
Paint and varnish	.....	.....
Rapeseed—		
Lubricants and greases	.....	[3]135,000
Sesame, refined—		
All uses	.....	111,000
Soybean—	Crude	Refined
Refining	190,369,000	.....
Fat-splitting	[1]	.....
Sulphonation	[1]	48,000
Hydrogenation	.....	66,412,000
Deodorizing	.....	7,444,000
Winterizing for salad oil	.....	[1]
Shortening	.....	53,631,000
Oleomargarine	.....	7,050,000
Other edible uses	.....	9,654,000
Soap	103,000	36,000
Paint and varnish	533,000	5,541,000
Chemicals	.....	[1]
Lubricants and greases	30,000	13,000
Linoleum and oilcloth	[1]	2,110,000
Other uses	4,648,000	[6]6,619,000
Tallow—		All grades
Soap	.....	[1]
Lubricants and greases	.....	495,000
Other uses	.....	[2]
Tung—		
Paint and varnish	.....	3,486,000
Chemicals	.....	[1]
Lubricants and greases	.....	[1]
Linoleum and oilcloth	.....	21,000
Other uses	.....	553,000
Vegetable, not specified—		
Refining	.....	11,237,000
Fat-splitting	.....	196,000
Hydrogenation	.....	[1]948,000
Sulphonation	.....	[1]95,000
Winterizing for salad oil	.....	10,467,000
Shortening	.....	[1]42,000
Oleomargarine	.....	7,000
Other edible uses	.....	[1]496,000
Soap	.....	[1]759,000
Paint and varnish	.....	596,000
Linoleum and oilcloth	.....	65,000
Chemicals	.....	[1,]939,000
Lubricants and greases	.....	[1]354,000
Other uses	.....	[1]12,151,000

Fats and Greases

Grease and lard oil—		
Sulphonation	.....	217,000
Soap	.....	[1]
Lubricants and greases	.....	1,600,000
Other uses	.....	[1]700,000
Grease, not specified—		
Refining	.....	.....
Fat-splitting	.....	5,676,000
Winterizing	.....	.....
Sulphonation	.....	[4]
Hydrogenation	.....	[4]
Pressing	.....	6,908,000
Soap	.....	22,404,000
Lubricants and greases	.....	894,000
Other uses	.....	307,000
Lard—	Rendered	Refined
Shortening	11,223,000	8,549,000
Oleomargarine	488,000	.....
Hydrogenation	3,390,000	467,000
Other edible uses	207,000	478,000
Soap	.....	.....
Lubricants and greases	[4]	[4]
Other uses	[4]	[4]
Stearin, animal—	Edible	Inedible
Shortening	589,000	.....
Oleomargarine	297,000	.....
Other edible uses	150,000	.....
Soap	.....	92,000
Other uses	[4].....	295,000
Stearin, vegetable—		
Shortening	.....	5,133,000
Oleomargarine	.....	897,000
Hydrogenation	.....	2,241,000
Other edible uses	.....	36,000
Other uses	.....	.....
Tallow, edible—	Crude	Refined
Refining	[4]	.....
Fat-splitting	.....	.....
Hydrogenation	304,000	[4]
Sulphonation	.....	.....
Shortening	1,101,000	809,000
Soap	[4]	.....
Lubricants and greases	[4]	.....
Other uses	[4]98,000	[2]9,000
Tallow, inedible—	Crude	Refined
Refining	19,466,000	.....
Fat-splitting	10,017,000	[4]
Hydrogenation	297,000	[4]
Pressing	[2]	.....
Sulphonation	452,000	124,000
Shortening	.....	.....
Other edible uses	.....	.....
Soap	48,614,000	15,000,000
Lubricants and greases	1,717,000	40,000
Other uses	[4]9,173,000	111,000

Fatty Acids and Acid Stocks

Animal fat, and oil fatty acids, not specified—	
Winterizing and pressing	4,996,000
Soap	405,000
Lubricants and greases	376,000
Other uses	[6]6,301,000
Animal oil foots (100 percent basis)—	
Soap	2,124,000
Other uses	[4]
Fatty acid stocks, not specified—	
Refining	.....
Fat-splitting	[4]
Sulphonation	.....
Soap	457,000
Paint and varnish	53,000
Linoleum and oilcloth	.....
Lubricants and greases	[4]
Other uses	[2]246,000
Fish and marine mammal oil fatty acids—	
Sulphonation	[4]
Paint and varnish	.....
Lubricants and greases	[4]
Other uses	157,000
Fish and marine mammal oil foots (100 percent basis)—	
All uses	[4]
Olive oil foots (including sulphur oil)—	
Soap	226,000
Red oil—	
Sulphonation	158,000
Soap	1,206,000
Paint and varnish	22,000
Chemicals	732,000
Lubricants and greases	200,000
Other uses	[2,][7]1,260,000
Stearic acid—	
Sulphonation	22,000
Soap	258,000
Paint and varnish	54,000
Lubricants and greases	177,000
Chemicals	831,000
Other uses	[2,][7]2,967,000
Vegetable oil fatty acids—	
Sulphonation	[2]
Hydrogenation	[2]
Soap	2,014,000
Paint and varnish	1,461,000
Lubricants and greases	19,000
Chemicals	628,000
Other uses	[2]9,662,000
Vegetable oil foots (100 percent basis)—	
Fat-splitting	12,359,000
Soap	3,517,000
Paint and varnish	77,000
Other uses	[4]51,000

Unclassified

Materials not shown separately—	
Refining	1,402,000
Fat-splitting	2,376,000
Hydrogenation	6,237,000
Sulphonation	624,000
Pressing	[2]
Shortening	2,534,000
Oleomargarine	424,000
Soap	1,506,000
Paint and varnish	157,000
Linoleum and oilcloth	[2]
Chemicals	3,290,000
Lubricants and greases	472,000
Other uses	[8]5,235,000

[1] Included in "Total of vegetable oil not shown separately, including small quantities for items for which data are not reliable."
[2] Not shown to avoid disclosure of individual operations.
[3] Included in "Total of secondary products not shown separately, including small quantities for items for which data are not reliable.
[4] Included in materials other than vegetable oils not shown separately, including small quantities for items for which data are not reliable.

Market Study Mapped To Keep Output High

In preparation for the time when current defense goals have been reached, Secretary of Commerce Charles Sawyer last week ordered an immediate study of potential markets for goods and services of American business so that the United States economy might continue to operate at high levels of production.

The study will be conducted by Department of Commerce business economists in cooperation with the Committee for Economic Development. Secretary Sawyer said that the long range appraisal of the nation's economic future will be published by January 1, 1953.

The project will be similar to one undertaken in 1943 when the department published a study entitled, "Markets After the War." This study, of which more than 200,000 copies were published by the Department of Commerce, the CED and the congress, was widely acclaimed by business groups. It sought to aid employers in preparing production and marketing plans to provide maximum employment and high productivity after World War II.

The new study will provide an appraisal of potential markets for goods and services which will be available or may be stimulated after the present defense build-up has been completed. Peak production in the present defense build-up is expected about mid-1953, the secretary said. Accordingly, he has directed Department of Commerce economists to make their study based on probable conditions and problems which will exist after that date.

"The 1943 study, whose conclusions were at variance with the dire predictions of many others at that time, proved to be substantially accurate. I believe that the work now being undertaken will produce an equally authentic and helpful result," Secretary Sawyer said.

"The aim of this study, which should be ready for publication within six months, is to provide information on the areas from which increases in demand for goods and services might be expected. If we provide American business with reliable facts as to what the future may hold, there need be no doubt as to the outcome. Our free enterprise system will go on to provide an even higher standard of living than we now enjoy, by maintaining production and distribution at their present high levels. A corollary advantage will be the maintenance of high employment which is, of course, a vital factor in a high standard of living," the secretary said.

N. J. Court Schedules Proprietary Drugs Case

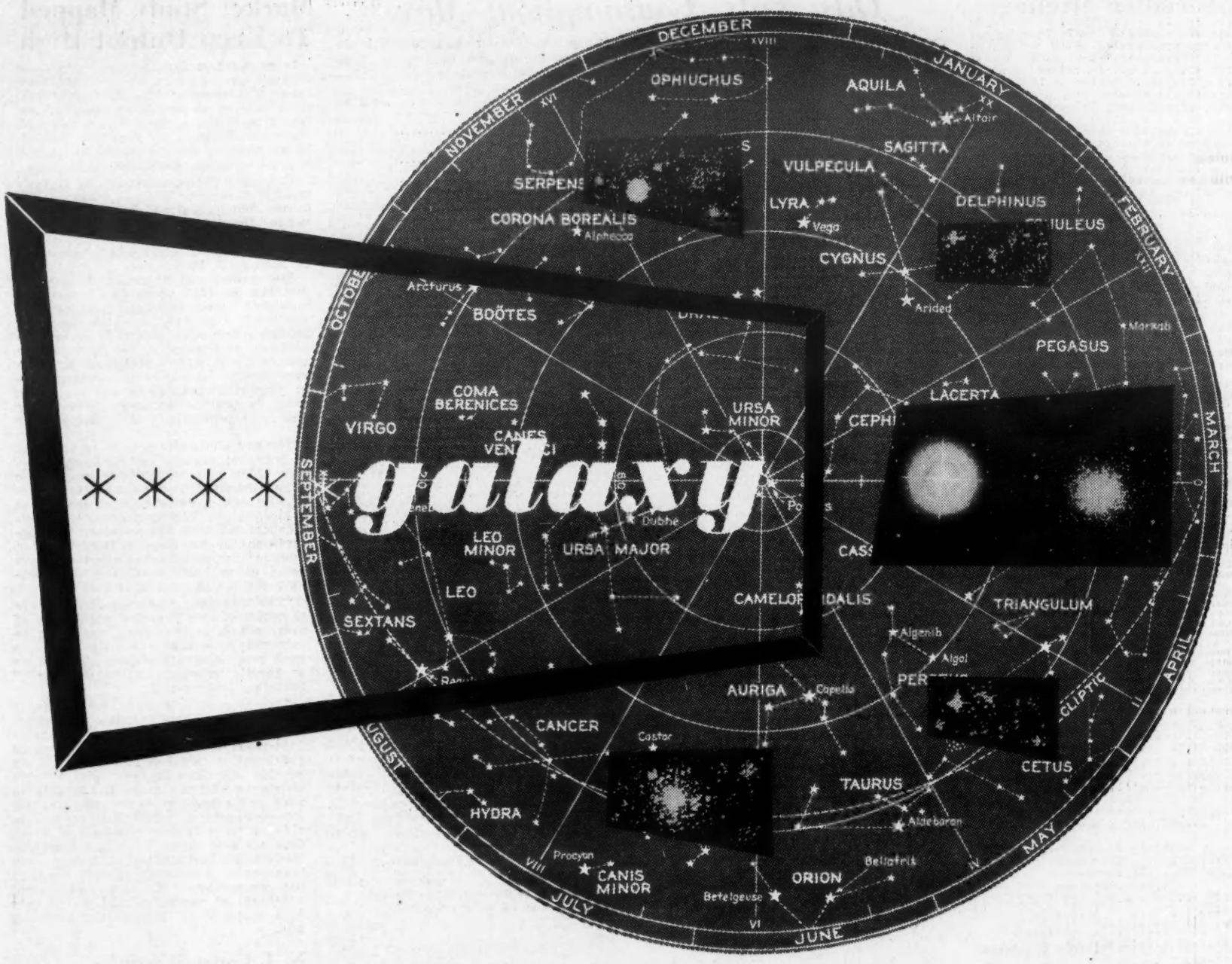
A New Jersey court has entered a pretrial order on the proprietary drugs case setting it for trial on October 14. The court listed the issues to be tried as follows:—

1. A judicial construction of the words "patent medicines," "proprietary medicines" and "domestic remedies" as used in the New Jersey pharmacy act.
2. A judicial construction of the phrase "making and vending" as used in the pharmacy act.
3. A judicial construction of the term "non-poisonous" as used in the act.
4. Whether the New Jersey Board of Pharmacy acted within its statutory duties and obligations in its definition of "drugs" and "medicines" as used in the act and whether the definition is a lawful and reasonable one.

The board will contend that ten products of its choosing cannot safely be sold without the supervision of a registered pharmacist. The Proprietary Association, which is presenting the defense, will counter that the federal and state food and drug laws regulate the safety of all proprietary medicines sold for use in self-medication. In the sale of proprietary medicines, the association will point out, a registered pharmacist's function is that of a merchant and other merchants are capable of performing the same function.

Remington Dinner Dec. 2 In Honor of Dr. Costello

The Remington medal presentation dinner, sponsored by the New York branch of the American Pharmaceutical Association, will be held December 2 in the New Yorker hotel. The dinner will be in honor of Dr. Patrick Costello, this year's recipient of the award. Dr. Costello is secretary of the National Association of Boards of Pharmacy. Prof. Frank J. Pokorny, secretary of the New York branch, will be dinner chairman, and Irving Rubin, of *American Druggist*, will be co-chairman.



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Current Market Quotations

Chemicals and Related Materials

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A

acia (see Gum arabic)		
cenaphthene below 92.5 C., m.p., dms. works	lb.	.40 - —
over 92.5 C., m.p. dms. works	lb.	.50 - —
cetaldehyde, 99% dms. c.l., frt. equaid	lb.	.1250- .1435
l.c.l., frt. equaid	lb.	.1350- .1535
tanks, frt. equaid	lb.	.1050- .1300
cetaldol (see Aldol)		
cetanilide, tech., bbls., c.l., dlvd.	lb.	.26½- —
l.c.l., ton lots	lb.	.27½- —
smaller lots	lb.	.30½- —
USP, bbls., 2,000-lb. lots	lb.	.61 - —
smaller lots	lb.	.62 - .67
cetic anhydride, dms., c.l., frt. alld. E	lb.	.16 —
l.c.l., frt alld. E	lb.	.17½- —
tanks, frt. alld. E	lb.	.14½- —
cetoacetanilide, fib. dms., c.l. dlvd.	lb.	.73 - —
l.c.l., dlvd	lb.	.74 - —
cetoacetorthochloroanilide, fib. dms., c.l., dlvd	lb.	1.14 - 1.22
l.c.l., dlvd	lb.	1.15 - 1.23
cetoacetorthotoluidide, fib. dms., c.l., dlvd	lb.	.78 - —
l.c.l., dlvd	lb.	.79 - —
cetone, CP dms., c.l., dlvd	lb.	.10¼ - .11¾
l.c.l., dlvd	lb.	.11 - .12½
tanks, dlvd	lb.	.08½- .10
Methyl (see M)		
cetonitrile, dms., c.l. works	lb.	.45 - —
l.c.l., works	lb	.47 - —
cetophenetidin USP, bbls., works, frt equaid	lb.	1.15 - 1.38
cetophenone, cns. dms	lb.	1.35 - 1.85
tech., dms., l.c.l., works	lb.	.75 —
cetyl (N) para-aminophenol, dms., frt. adjusted	lb.	1.50 - 1.60
cetyltributyl citrate, tech. dms., c.l	lb.	.37½- —
l.c.l.	lb.	.38½- —
tanks	lb.	.36 - —
cetyltriethyl citrate, tech., dms., c.l	lb.	.37½- —
l.c.l.	lb.	.38½- —
tanks	lb.	.36 - —
cid, abietic, cum'l, dms., c.l., works	lb.	.12 - —
l.c.l., works	lb.	.1390- —
cryst., dms., c.l., works	lb.	.06½- —
l.c.l., works	lb.	.07 - .07¼
Acetic, com'l or redist., 28%, bbls. 100 lbs.		5.50 - —
56%, bbls	100 lbs.	9.65 - —
70%, bbls	100 lbs.	11.70 - —
80%, bbls	100 lbs.	12.45 - —
glacial, synthetic, CP, dms., works 100 lbs.		15.50 -16.00
cbys., inclusive, works 100 lbs.		24.00 -25.00
tech., dms., c.l., works 100 lbs		10.50 -12.50
l.c.l., works 100 lbs.		11.00 -13.50
tanks, works	100 lbs.	9.00 -11.00
USP, dms., works	100 lbs.	13.50 -14.50
Acetic anhydride (see Acetic anhydride above).		
Acetylsalicylic, USP special, bbls., makers, primary distrib., point of ship't, 1000-lb. lots	lb.	.60 - —
standard, fine cryst., gran., (30-40 mesh) powd. (60 mesh), bbls same basis,	lb.	.53 - —
Freight equaid, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.		
Adipic, fib. dms., works	lb.	.30½- —
Aminoacetic, NF, bbls., frt. adjusted	lb	1.50 1.75
Anthranilic, resub., bbls	lb.	2.10 - —
tech., bbls., frt. equaid	lb.	1.10 - —
Arsenous, tech (see Arsenic, white).		
USP (see Arsenic trioxide).		
Ascorbic, USP dms., 25-50 kilo lots	kilo.	24.50 - —
10-kilo lots	kilo.	24.85 - —
5-kilo lots	kilo.	25.25 - —
bots., kilo, lots	kilo.	25.50 - —
500-gram lots	kilo.	26.00 - —
Battery, cbys., c.l., works, E.	100 lbs.	2.40 - —
l.c.l., works, E	100 lbs.	2.80 - 3.20
Benzoic, tech. bbls. dms., 100 lbs. or more	lb.	.423 - .450
USP, bbls., dms., 100-lb. lots or more	lb.	.525 - .540
Betahydroxynaphthoic (see Acid, betaoxynaphthoic).		
Betaoxynaphthoic, bbls., works	lb.	1.35 - 1.39
Boric, tech., 99½%, cryst., bgs., c.l., works	ton.	120.75 - —
ton lots, ex whse., N. Y. or Chi	ton.	166.50 - —
less ton lots, same basis,	ton.	171.50 - —
bbls., c.l., works	ton.	145.25 - —
ton lots, ex whse., N. Y. or Chi	ton.	191.00 - —
less ton lots, same basis,	ton.	196.00 - —
bulk, c.l., works	ton.	116.75 - —
gran., bgs., c.l., works	ton.	95.75 - —
ton lots, ex whse., N. Y. or Chi	ton.	141.50 - —
less ton lots, same basis,	ton.	146.50 - —
bbls., c.l., works	ton.	120.25 - —
ton lots, ex whse., N. Y. or Chi	ton.	166.00 - —
less ton lots, same basis,	ton.	171.00 - —
bulk, c.l., works	ton.	91.75 - —
powd., bgs., c.l., works	ton.	100.75 - —
ton lots, ex whse., N. Y. or Chi	ton.	146.50 - —
less ton lots same basis,	ton.	151.50 - —
bbls., c.l., works	ton.	125.25 - —
ton lots, ex whse., N. Y. or Chi	ton.	171.00 - —
less ton lots same basis,	ton.	176.00 - —
bulk, c.l., works	ton.	96.75 - —
USP $25 per ton higher.		
Brosnaer's, bbls	lb.	1.47 - —
Acid, butyric 99% dms. c.l., works,	lb.	.38 - —
l.c.l., works	lb	.38½- —
tankcars, works	lb	.36½- —
Cacodylic, bots	lb.	10.50 13.00
Camphoric ratural, dms	lb	4.00 4.75
synth dms	lb	4.00 4.75
Capric, 90%, dms	lb.	.28¾- .30
Caprylic, 90%, dms	lb.	.28¾- .30
Cassello dms frt alld	lb	1.44 —
Castor oil, split, dms	lb	.33¼ .33¾
Chicago, bbls., frt alld	lb	3.21 —
Chlorosulphonic dms c.l., frt. equaid	lb.	.039 —
l.c.l., frt equaid	lb.	.044 .059
tanks, frt equaid	lb.	.034 —
Chromic, 99½-99¾% dms., c.l. works	lb.	.27 - .27½
l.c.l., works	lb.	.27½- .28½
NF (see Chromium trioxide)		
Cinnamic, refd bots	lb	2.50 3.50
Citric, anhyd gran fine gran., 10,000-lb. lots, 1 ship't	lb.	.25 - —
smaller lots	lb.	.25½- —
kgs.	lb.	.26½- —
Anhydrous citric acid powder ½c per lb. higher		
USP, gran., fine gran., dms., c.l	lb.	.24½- —
10,000-lb. tots, 1 ship't	lb	.25 - —
smaller lots	lb.	.25½ - —
kgs.	lb.	.26½- —
USP citric acid powder ½c. per lb higher.		
Cleve's, mixed, bls	lb	79 —
Coconut oil, dist., dms	lb.	.19 - .20¼
double dist., dms	lb.	.20½- .21¼
Cottonseed oil, dist., dms	lb.	.11¼- .12½
double dist., dms	lb.	.11¾- .13
Cresylic coaltar, dom 50% above 207° C non-ret dms., c.l., frt. equaid	gal.	1.31 - —
l.c.l., same basis	gal.	1.34 - —
ret. dms. c.l. same basis	gal.	1.28 —
l.c.l. same basis	gal	1.33 —
tanks, same basis	gal.	1.20 - —
5.04° to 207° C non-ret dms., c.l., same basis	gal.	1.36 - —
l.c.l., same basis	gal.	1.39 - —
ret. dms. c.l. same basis,	gal.	1.33 - —
l.c.l. same basis	gal.	1.38 - —
tanks, same basis	gal.	1.25 - —
imp., 75% at 215°C. or over, dms., ex whse.	gal.	.85 - 1.10
petroleum, dom. 195° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles	gal.	.71 - —
l.c.l., same basis	gal.	73 - .75
tanks, same basis	gal.	.58 - —
Acid, cresylic, petroleum, dom., 200° C to 222° C, tanks, Wilmington, Cal	gal.	.58 - .63
211° C to 236° C, non-ret. dms., c.l., San Francisco and Los Angeles	gal.	.63 —
l.c.l., same basis	gal.	.65 .67
tanks, same basis	gal.	.50 —
220° C to 242° C, tanks, Wilmington, Cal	gal.	.50 .53
245° C to 298° C, tanks, Wilmington Cal	gal.	.48 - —
Crotonic, fib dms, works	lb.	.31 - —
Cyanoacetic, tech. bbls	lb	90 1.25
Desoxycholic, bots	lb.	22.00 Nom.
Dichlorophenoxyacetic (see under "D" 2,4-D).		
Diethylbarbituric (see Barbital)		
Diglycolic, bgs, works	lb.	.14 - —
Ethylhexoic, dms. c.l., works	lb.	.35 - —
l.c.l., works	lb.	.35½- —
tanks, works	lb.	.33½- —
F. crude, paste, bbls., works	lb.	1.07 - —
Folic, bots, fib cns, kilo or more	gram.	1.60 —
Formic, 85%, cbys, c.l., works	lb.	.142 - .17
l.c.l. works	lb	14½ .22
90%, cbys., c.l. works	lb.	.1475- .1750
l.c.l., works	lb.	.15 - .23½
Fumaric, tech, bbls, dms	lb.	.37 - .38
Gallic NF VII, bbls., 1,000-lb. lots,	lb	1.60 - —
smaller tots	lb.	1.82 - 2.00
technical, bbls., 1,000-lb lots	lb	1.58 —
smaller lots	lb.	1.69 - 1.78
Gamma dry ground, bbls., frt. alld	lb.	1.50 - —
paste, bbls., frt. alld	lb.	1.45 - —
Gentisic, 100-lb. fib dms	lb.	8.50 - —
Gluconic, tech., 50% bots	lb.	.23½- .31½
dms.	lb.	.14½- —
cbys.	lb.	.17½- —
Glumatic, 99½%, laevo, fib, dms., 100-lb lots, works	lb	2.45 2.53
25-lb. lots, works	lb.	2.60 2.68
Glycerophosphoric, 35%, dms., works	lb.	2.25 2.35
Glycolic (see Acid hydroxyacetic).		
H, 100% basis, bbls., works	lb.	.82 - —
Hydriodic, 1.50 s.g., cbys	lb.	2.67 - —
1.70 s.g., cbys	lb.	2.98 - —
Hydrobromic, medicinal, 48%, cbys., dlvd E	lb.	.37 - .43
Hydrochloric (see Acid, muriatic).		
Hydrocyanic, cyls., works	lb.	1.15 - —
dilute, NF, 2%, 5-lb. bots	lb.	.40 —
Hydrofluoric, anhyd., cyls., works.	lb.	.24 - .25
tanks, works	lb.	.13 - —
70%, steel dms., works	lb.	.1535- .1953
Hydrofluosilicic, 30-35%, bbls., works	lb.	.07 - —
Hydroxyacetic, tech., 70%, bbls., non-return., Phila., basis	100% lb.	.12 - —
tanks, Belle, W. Va., basis	100% lb.	.085 - —
Acid, hypophosphorous, purif., 50%, cbys	lb.	1.30 - 1.32
USP, cbys	lb	88 —
Isonicotinic, 100 lb. fib. dms, works	lb.	10.00 - —
J bbls. works, 100% basis	lb	2.50 2.85
Koch, bbls. frt alld	lb.	64 70
L. bbls frt alld	lb.	1.25 —
Lactic edible 50% bbls., 20 or more	lb.	.17 .20
smaller lots	lb.	.17½ .21
80%, bbls., 5 bbls. or more	lb.	.30 .3640
less than 5 bbls	lb.	.305 .3690
plastic grade, 50% bbls., 20 or more, works	lb.	.21¾ —
1 to 19	lb.	22¼ .22¾
80%, bbls., 5 or more	lb.	.3815- —
tech., 22%, bbls., c.l., works,	100 lbs	6.30 —
l.c.l., works	100 lbs.	6.70 - —
cbys., works	100 lbs.	7.20 -12.20
44%, bbls., c.l., works	100 lbs.	11.45 -11.95
l.c.l., works	100 lbs.	11.85 -12.50
NF 85% cbys	lb.	.85 .88
Laurent's, nbls	lb	60 .87
Lauric, 90%, dms	lb.	.26¾- .28
60%, dms	lb.	.19¾- .21
Linseed oil, dist., reg. dms	lb.	.2095 - .2145
water-white, dms	lb.	.2395- .2445
Maleic, anhydride (see M).		
powder, dms	lb.	.37 .38
Malic, dms	lb	.50 —
Mandelic NF, dms, 1,000-lb. lots,	lb	2.35 —
smaller tots	lb.	2.40 2.50
Metanilic dms works	lb.	.57 —
Methacrylic, dms., c.l., and truckloads, works	lb.	76 —
less than truckload, works	lb	76½ .80
Molybdic, dms 85-92% works	lb	1.40 1.55
Monochloroacetic purified, flake, 99%, dms	lb.	.23½- .25¼
tech., flake, 96-97%, dms	lb.	.20 - .22
Muriatic, 18° cbys., c.l. works,	100 lbs.	2.45 2.80
l.c.l., dlvd. Metropolitan area	100 lbs.	3.50 4.30
tanks, works	ton.	25.00 -29.00
20°, cbys., c.l., works	100 lbs	2.70 3.05
l.c.l., dlvd. Metropolitan area	100 lbs.	3.50 - 4.30
tanks, works	ton.	27.00 -33.00
22°, cbys., c.l, works	100 lbs	3.30 3.40
l.c.l., dlvd. Metropolitan area	100 lbs.	3.50 - 4.30
tanks, works	ton.	32.00 -36.00
CP, USP consumers, cbys., extra c.l., works	lb.	.11¾ —
l.c.l., same basis	lb.	.13¼ .13¾
5 pint bottles extra, cs., c.l., same basis	lb.	.16¾ —
l.c.l., same basis	lb.	.19¼- —
Acid, muriatic, CP, USP, prices to dealers, 1½c. per lb. less.		
Myristic, dms	lb.	.24¾- .26
Naphthenic 220-230 acidity, dms., works	lb.	.14 —
tanks, works	lb.	.12 —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winthers)		
Naphthol(1)-5-sulphonic (see Acid, L).		
Naphthol(1)-5-sulphonic,3-amino (see Acid, S).		
Naphthol(1)-3,8-disulphonic,3-amino (see Acid, H)		
Naphthol(2)-6,8-disulphonic (see Acid, Gamma).		
(2)-7-Sulphonic,2-amino (see Acid, J).		
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).		
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).		
(2)-6-sulphonic (see Acid, Broenner's).		
(2)-7-sulphonic (see Acid, F).		
(2)-1-sulphonic (see Acid, Tobias).		
Neville and Winther's, dms., frt. alld	lb.	1.05 - —
Nicotinic, USP, dms., frt. adjusted	kilo.	9.00 9.30
Amide (see Nicotinamide).		
Nitric 36° cbys., c.l., works E.	100 lbs	5.00 —
l.c.l., works E	100 lbs.	5.30 -11.10
38° cbys., c.l., works E	100 lbs.	5.50 - —
l.c.l., works E	100 lbs.	5.80 -11.60
40° cbys., c.l., works E	100 lbs.	6.00 - 6.50
l.c.l., works E	100 lbs.	6.30 -12.10
42° cbys., c.l., works E	100 lbs.	6.50 - 7.00
l.c.l., works E	100 lbs.	6.80 -12.60
60% HNO_3, tanks, works, basis 100%	100 lbs.	3.25 - —
95% HNO_3, tanks, works, basis 100%	100 lbs.	4.25 - —
CP, NF consumers, cbys., extra c.l., works	lb.	.13½- —
l.c.l., same basis	lb.	.15 - .15¼
5 pint bottles extra, cs., c.l., same basis	lb.	.17½- —
l.c.l., same basis	lb.	.19 - .25
Oleic, single distilled, dms	lb.	.13½- .14¾
tanks	lb.	.11¾- —
double distilled (white), dms	lb.	.16 - .17¼
tanks	lb.	.14¼- —
Oleum (see Acid sulphuric, fuming)		
Orthochlorobenzoic, fib. dms., works	lb.	1.13 - —
Orthocresotinic, dms., ton lots, works	lb.	.68 - —
smaller lots, works	lb	.68 - —
Oxalic, bbls., c.l., works	lb.	.1575- .1590
10,000 lbs., works	lb.	.16 - .1615
smaller lots, works	lb.	.17 - .1715
Palm oil, white, dist., dms	lb.	.16¼- .17
Para-aminobenzoic, tech., dms	lb.	1.74 1.77
USP, dms., 1,000-lb. lots or more, works	lb.	3.60 - —
smaller lots	lb.	3.70 - 4.00
Para-aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted	lb.	4.45 —
smaller lots, same basis	lb.	4.50 - 4.95
Parachlorobenzoic, fib. dms., works	lb.	1.59 - 1.62
Paramethylphenylcinchonic (see Neocinchophen)		
Paranitrobenzoic, dms	lb.	.77 - —
Parateluidinmetasulphonic, bbls., works	lb.	.92 - 1.04
Phenylacetic, bots	lb.	1.45 - 1.75
tech., dms., 1,000-lb. lots	lb.	.90 - —
Phenylcinchoninic (see Cinchophen).		
Phenylglycollic (see Acid, mandelic).		

Abbreviations

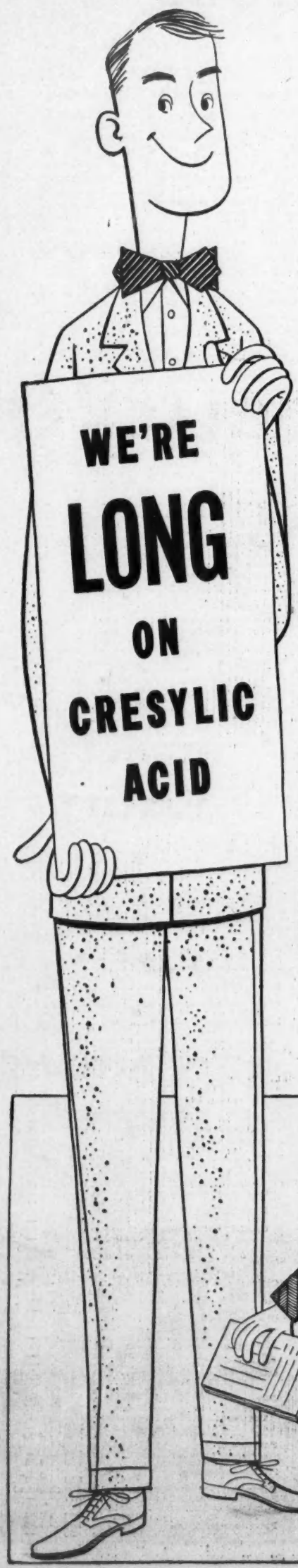
Used in OPD Market Quotations

ACS	American Chemical Society	dest-dist.	destructive-distilled	neut.	neutral
		dextro	dextrorotatory	nom.	National Formulary
alld.	allowed	dist.	distilled	NF.	
ammo.	ammonia	distr.	distributor	No.	number
amorph.	amorphous	djns.	demijohns	ord.	nominal
AMP.	American melting point	dlvd.	delivered	oz.	ordinary
		dms.	drums	Pac.	ounce
anhyd.	anhydrous	dom.	domestic	pf.	Pacific
a.p.a.	available phosphoric acid	E.	east	phos.	proof
		e.p.	end point	photo.	phosphate
artif.	artificial	equald.	equalized	pkgs.	photographic
ASTM.	American Society for Testing Materials	F	fahrenheit	powd.	packages
		ferment.	fermentation	precip.	powdered
		ffa.	free fatty acid	prod.	precipitated
Be.	Baume	ffc.	free from chlorine	pt.	producer
bbls.	barrels			pulv.	point
bgs.	bags	fib.	fiber	purif.	pulverized
bls.	bales	f.o.b.	free on board	redist.	purified
bots.	bottles	FPA.	free of prussic acid	refd.	redistilled
b.p.	boiling point			refy.	refined
b.p.l.	bone phosphate of lime	frt.	freight	reg.	refinery
		fus.	fused	resub.	regular
b.r.	boiling range	gal.	gallon	ret.	resublimed
bxs.	boxes	gran.	granular	SD.	returnable
C.	centigrade	grd.	ground		specially denatured
cbys.	carboys	i.&a.	iron and aluminum	s.d	single distilled
CD.	completely denatured	i.b.p.	initial boiling point	S. E.	southeast
		imp.	imported	secs.	seconds
c.i.f.	cost insurance, freight	incl.	included	s.g.	specific gravity
		indust.	industrial	ship't.	shipment
cks.	casks	kgs.	kegs	solut.	solution
c.l.	car lots	lacq.	lacquer	s.u.	standard unit
cns.	cans	lb.	pound	synth.	synthetic
col.	color	l.c.l.	less than car lots	tanks.	railroad tankcars
com'l	commercial	liq.	liquid	tech.	technical
conc.	concentrated	m.a.p.	mixed anilin point	USP.	U. S. Pharmacopoeia
CP.	chemically pure	M c.f.	thousand cubic feet	vis.	viscosity
cps.	centipoises			VM&P	varnish makers & painters
cryst.	crystal	min.	minimum		
cs.	cases	m.p.	melting point	W.	west
ctns.	cartons	N.	nitrogen	whse.	warehouse
cyls.	cylinders	nat.	natural	w.w.	water white
dbl.	double				
denat.	denatured				

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, Phosphoric—Aldol

Acid, phosphoric, food grade, 75%, cbys., c.l. works	100 lbs.	7.00	7.10
l.c.l., works, frt. alld.	100 lbs.	7.50	8.00
tanks, works	100 lbs.	4.90	5.00
NF, 85%, cbys., c.l., works	lb.	.08	.08¼
l.c.l., works	lb.	.08½	.09¼
Picric, NF 300-lb. bbls	lb.	.55	—
dms., small	lb.	.81	.87
tech., bbls	lb.	.32	.33
Propionic, synthetic, pure, dms., c.l., works	lb.	.258	—
l.c.l., works	lb.	.263	—
tanks, works	lb.	.19	.243
Pyrogallic, NF, (see Pyrogallol)			
tech., bbls	lb.	2.76	2.99
Pyroligneous, dms., incl., l.c.l., works	gal.	.36	—
whse.	gal.	.504	—
Ricinoleic (see Acid, castor oil, split).			
S, bbls., works	lb	3.25	—
Salicylic, crude, bgs	lb.	.35	—
sublimed, tech., bbls., c.l.	lb.	.37	—
l.c.l.	lb.	.44	—
dyestuffs grade, bbls	lb.	.39	—
USP, cryst., bbls	lb.	.46	—
powder, bbls	lb.	.51	—
Sebacic, purified, dms., c.l., works	lb.	.88	.90¾
l.c.l., works	lb.	.88½	.92¾
Soybean oil, double dist., dms	lb.	.12¾	.14
single dist., dms	lb.	.12¼	.13½
Stearic, double pressed, bgs	lb.	.12	.13¼
single pressed, bgs	lb.	.11½	.12¾
triple-pressed, bgs	lb.	.14¼	.15½
Succinic, purified, cryst., bbls., works	lb	.63	.75
Sulphanilic, tech., dms., c.l., frt. alld.	lb.	.18	—
l.c.l., frt. alld	lb.	20	—
Sulphuric, 60° Be, cbys., c.l., works	100 lbs.	1.73	—
l.c.l., works	100 lbs.	2.05	2.85
tanks, works	ton.	16.30	—
66° Be, cbys., c.l. works	100 lbs.	2.00	2.10
l.c.l., works	100 lbs.	2.30	3.10
tanks, works	ton.	20.00	—
98-100%, tanks, works	ton.	21.00	—
CP, NF, consumers, cbys., extra, c.l., works, frt. equald.	lb.	.09¾	—
l.c.l., same basis	lb.	.11¼	.11¾
5 pt. bots., extra, cs., c.l., works, frt. equald	lb.	.13¼	—
l.c.l., same basis	lb.	.14¾	.20¾
fuming, 20%, tanks, works	ton.	22.40	—
Tallow, dist., dms	lb.	.10½	.11¾
hydrogenated, dms	lb.	.10½	.11¾
Tannic, NF, fluffy, bbls., 1,000-lb. lots	lb.	1.59	1.60
smaller lots	lb.	1.65	1.76
powder, bbls., 1,000-lb. lots	lb.	1.50	—
smaller lots	lb.	1.51	1.69
tech., dms	lb.	.95	—
Tartaric, USP, dom., 230, 250-lb. dms., 10,000-lb. lots, 1 ship't	lb.	.45½	—
smaller lots	lb.	.46	—
100-lb. dms	lb.	.47	—
small dms	lb.	.49	.55
imported, bgs	lb.	.36	.40
Thioglycolic, refined, bgs., cbys., basis 100%	lb.	1.60	1.80
Tobias, bbls., frt. alld	lb.	.74	—
Toluenesulphonic, dms., c.l., works	works	.16	—
l.c.l., works	lb	.17½	—
Trichloracetic, bots.	lb.	2.00	2.50
Trichlorophenoxyacetic (see under "T" 2,4,5-T).			
Tungstic, tech., kgs., works	lb	4.20	—
Undecylenic, dms.	lb	1.40	—
Aconite leaves, bls	lb.	.25	.35
Root, bls	lb.	.55	.60
Aconitine, amorph., mild, bots	oz.	27.50	32.50
cryst., potent, bots	oz.	78.00	85.00
Acrolein, dms., works	lb.	.50	—
Acrylonitrile, dms., c.l., works	lb.	.44½	—
l.c.l., works	lb.	.45	.47
tanks, works	lb	43	—
ACTH, bots	gm.	40.00	—
Adeps lanal (see Lanoline).			
Adonis vernalis herb, bls	lb	.22	.24
Adrenocorticotropic hormone—see ACTH			
Agar, USP, Kobe No. 1 strip, bls	lb.	1.50	1.90
powdered, 30 mesh, fib. dms.	lb.	2.00	2.40
Agaric, white, bls	lb.	2.25	Nom.
Agrimony herb, bls	lb.	.28	.30
Alanine dextro-laevo, dms., works	lb.	9.50	11.00
Albumen (egg), edible, flake, bbls.,	lb.	2.40	2.42
powd., bbls	lb.	2.44	2.46
tech., cryst., bbls	lb.	1.00	1.03
Albumin, blood, dark (see Blood, dried, soluble).			
light, dms., l.c.l.	lb.	.70	.80
Egg (see Albumen).			
Alcohol, allyl, dms., c.l., dlvd	lb.	.31¾	—
l.c.l., dlvd	lb.	.32½	—
tanks, dlvd.	lb.	.30	—
Amyl ex fusel oil (see Fusel oil, ref.)			
ex pentane, dms., c.l., frt. alld. E. of Rockies	lb.	.20½	—
l.c.l., frt. alld. E. of Rockies	lb.	.21½	—
tanks, frt. alld. E. of Rockies	lb.	.20	—
fermentation, ref'd, 126°-132° C, dms., c.l., dlvd	lb.	.32¾	—
l.c.l., dlvd	lb.	.33¾	.36
tanks, dlvd	lb.	.31	—
128-132° C., dms., l.c.l., dlvd.	lb.	.33¾	.36
ACS grade, dms., l.c.l., dlvd.	lb.	.35¾	—
synthetic, normal, dms., c.l., works	lb.	.42	—
l.c.l., works	lb.	.43	—
tanks, works	lb.	.40	—
secondary, dms., c.l., frt. alld. E.	lb.	.23	—
l.c.l., frt alld. E	lb.	.24	—
tanks, frt. alld. E	lb.	.22½	—
tertiary, dms., c.l., frt. alld. E.	lb.	.20¼	—
l.c.l., frt. alld. E	lb.	.20¾	—
tanks, frt. alld. E	lb.	.19	—
Benzyl, NF, dms	lb.	.84	.89
tech., dms., dlvd	lb.	.47½	.49
Butyl, fermentation, normal, dms., c.l., frt. alld.	lb.	.16¾	—
l.c.l., frt. alld	lb.	.17½	—
tanks, frt. alld	lb.	.15	—
synthetic, normal, dms. c.l., frt. alld.	lb.	.16¾	—
l.c.l., frt. alld	lb.	.17½	—
tanks, frt. alld	lb.	.15	—
secondary, dms. c.l., frt. alld.	lb.	.12¾	—
l.c.l., frt. alld	lb.	.13½	—
tanks, frt. alld	lb.	.11	—
tertiary, dms. c.l., frt. alld.	lb.	.13¾	—
l.c.l., frt. alld	lb.	.14½	—
tanks, frt. alld	lb.	.12	—
Capryl, 85%, dms., c.l., works	lb.	.15	—
l.c.l., works	lb.	.15½	—
tanks, works	lb.	.13½	—
95%, dms., c.l., works	lb.	.16½	—
l.c.l., works	lb.	.17	—
tanks, works	lb.	.15	—
Cetyl, extra, fib., cns., 500-lb. lots or more	lb	1.32	—
smaller lots	lb.	1.37	—
NF, fib., cns., 140-lb. lots or more	lb.	.72	.95
smaller lots	lb.	.72	1.00
Cinnamic, bots	lb.	2.25	3.20
Decyl, bots	lb.	1.70	2.00
Denatured, CD12, CD13, CD14, dms., c.l., dlvd. E. of Rockies	gal.	.68½	.69¼
l.c.l., dlvd., same basis	gal.	.72½	.78½
tanks, dlvd., same basis	gal.	.56½	.57½
Tankcar sales require written authorization by Alcohol Tax Unit.			
Proprietary solvent, dms., c.l., dlvd. E. of Rockies	gal.	.69½	—
l.c.l., same basis	gal.	.73½	.78½
tanks, same basis	gal.	.57½	—
Tankcar sales require written authorization by Alcohol Tax Unit.			
SD1, 190 pf., dms., c.l., dlvd. E. of Rockies	gal.	.69	.69½
l.c.l., same basis	gal.	.73	.78½
tanks, same basis	gal.	.57	.57½
SD2B, dms., c.l., dlvd. E. of Rockies	gal.	.68	—
l.c.l., same basis	gal.	.72	.77
tanks, same basis	gal.	.56	—
SD3A, dms., c.l., dlvd. E. of Rockies	gal.	.67	.68
l.c.l. same basis	gal.	.71	.77
tanks, same basis	gal.	.55	.56
Alcohol, denatured, SD23A, dms., c.l., dlvd., E. of Rockies	gal.	.69	.69½
l.c.l., same basis	gal.	.73	.78½
tanks, same basis	gal.	.57	.57½
SD23H, dms., c.l., dlvd. E. Rockies	gal.	.69½	.70
l.c.l., same basis	gal.	.73½	.79
tanks, same basis	gal.	.57½	.58
SD27A, dms., c.l., dlvd. E. of Rockies	gal.	1.34½	—
l.c.l., same basis	gal.	1.38½	1.43½
tanks, same basis	gal.	1.22½	—
SD29, dms., c.l., dlvd. E. of Rockies	gal.	.68½	.70½
l.c.l., same basis	gal.	.72½	.79½
tanks, same basis	gal.	.56½	.58½
SD30, dms., c.l., dlvd. E. of Rockies	gal.	.66½	.68½
l.c.l., same basis	gal.	.70½	.77½
tanks, same basis	gal.	.54½	.56½
SD35A, dms., c.l., dlvd. E. of Rockies	gal.	.70	.72
l.c.l., same basis	gal.	.74	.81
tanks, same basis	gal.	.58	.59½
SD40, dms., c.l., dlvd. E. of Rockies	gal.	.68½	.70
l.c.l., same basis	gal.	.72½	.79
tanks, same basis	gal.	.56½	.58
Diacetone, acetone free, dms., c.l., dlvd.	lb.	.13¾	—
l.c.l., dlvd	lb.	.14½	—
tanks, dlvd	lb.	.12	—
tech., dms., c.l., dlvd	lb.	.13¼	—
l.c.l., dlvd	lb.	.14	—
tanks, dlvd	lb.	.11½	—
Ethyl, 190 pf., USP tax paid, dms., c.l., dlvd. E. of Rockies	gal.	20.62	20.64½
l.c.l., same basis	gal.	20.66	20.73½
tanks, same basis	gal.	20.50	20.52½
tax free, dms., c.l., dlvd. E. of Rockies	gal.	.67	.69½
l.c.l., same basis	gal.	.71	.78½
tanks, same basis	gal.	.55	.57½
absolute, 200 pf., tax paid, dms., c.l., dlvd. E. of Rockies.	gal.	21.72	21.74½
l.c.l., same basis	gal.	21.76	21.83½
tanks, same basis	gal.	21.60	21.62½
Ethylbutyl, dms., c.l., works	lb.	.29¼	.29½
l.c.l., works	lb.	.30	—
tanks, works	lb.	.28	—
Ethylhexyl, dms., c.l., dlvd. E.	lb.	.27¾	—
l.c.l., same basis	lb.	.28¾	—
tanks, same basis	lb.	.26¼	—
Furfuryl, tech., cns., works	lb.	.31	—
dms., c.l., works	lb.	.22½	—
l.c.l., works	lb.	.24	—
tanks, works	lb.	.19½	—
Isoamyl (see Alcohol, amyl fermentation, refined)			
Isobutyl, dms., c.l., dlvd	lb.	.14¾	.15
l.c.l., works	lb.	.15½	.16
tanks, dlvd	lb.	.13	—
Iso-octyl, dms. c.l., works	lb.	.29¼	—
l.c.l., works	lb.	.29¾	—
tanks, works	lb.	.26¼	—
Isopropyl ref'd., 91%, dms., c.l., dlvd	gal.	.5050	.5225
l.c.l., dlvd.	gal.	.5550	.5640
tanks, dlvd	gal.	.3850	—
95%, dms., c.l., dlvd	gal.	.52¾	.53
	gal.	.52¾	.53
l.c.l., dlvd	gal.	.57¾	.58
tanks, dlvd	gal.	.40¾	.41
99%, dms., c.l., dlvd	gal.	.55	.56¾
l.c.l., dlvd	gal.	.60	.61
tanks, dlvd	gal.	.43	—
Lauryl, bots	lb.	2.00	2.50
Methyl (see Methanol).			
Methylamyl (see Carbinol, methyl-isobutyl)			
Octyl, perfumer's grade, bots	lb.	1.70	3.25
technical (see Octanol normal).			
Pantothenyl (see Panthenol).			
Phenylethyl, dms	lb.	1.57	2.15
Polyvinyl, various grades, bgs., ton lots, works	lb.	.72½	.76
smaller lots works	lb.	.77½	.81
Propyl, normal, dms., c.l., dlvd.	lb.	.12	—
l.c.l., dlvd	lb.	.13	—
tanks, dlvd	lb.	.10	—
Salicyl (see Saligenin).			
Tetrahyrofurfuryl, cns., Waverly, N. Y.	lb.	.49½	—
dms., Niagara Falls, N. Y.	lb.	.42½	—
l.c.l., Waverly, N. Y.	lb.	.45	—
tanks, Niagara Falls, N. Y	lb.	.40	—
industrial grade, dms. c.l., Niagara Falls, N. Y	lb.	.29	—
l.c.l., Waverly, N. Y	lb.	.30	—
tanks, Niagara Falls, N. Y	lb.	.27	—
Aldol, 95%, dms., works	lb.	.23	—
denaturing grade, dms	gal.	2.15	—



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Aldrin, 60% solut., dms., c.l., works, frt. alld. lb. .93 - —
l.c.l., works, frt. alld. lb. 1.05 - —
Aletris root, bgs. lb. 1.20 - 1.25
Alizarin (see Red alizarin).
Alkanet root, bgs. lb. .30 - .50
Allethrin, 100%, dms., works. lb. 42.50 - —
90%, dms., works. lb. 38.25 - —
solution, 20%, dms., 100-lb. lots, works. lb. 8.55 - 9.55
2½%, dms., works. gal. 7.55 - —
Allspice (see Pimento).
Allyl bromide, cbys., works. lb. 1.35 - 1.40
Chloride, dms., c.l., dlvd. lb. .16¾- —
l.c.l., dlvd. lb. .17½- —
tanks, dlvd. lb. .15 - —
Starch, solid, dms., works. lb. .52¾- .54¾
solution, 40% toluol-butanol, dms., works. lb. .25½- .26¼
Aloe, Cape, cs. lb. .35 - .38
powdered, cs. lb. .40 - .41
Curacao, kegs. lb. .60 - .65
Socotrine, kegs. lb. .25 - .35
Aloin, USP, bbls., dms., kgs. lb. 4.25 - 4.70
Alphanaphthol, bbls., frt. alld. lb. .85 - —
Alphanaphthylamine, bbls., frt. alld. lb. .43 - —
Alphanitronaphthalene, bbls., frt. alld. lb. .41 - —
Alphapicoline, ret. dms., c.l., works, frt. equald. lb. .39½- .49½
l.c.l., works, frt. equald. lb. .40 - .50
Alphapinene, tanks, South, works. gal. No prices.
Alphaterpineol dms., l.c.l. dlvd. E. lb. .17 - —
Alphatocopherol, bots. kilo. 250.00 - —
Acetate, bots. kilo. 250.00 - —
Althea root, NF, peeled, bls. lb. .20 - .33
Alum, ammonium, gran., bgs., works. 100 lbs. 3.80 - —
lump, dms., works. 100 lbs. 4.55 - 4.95
powd., dms., works. 100 lbs. 4.70 - 5.10
USP, burnt, dms. lb. .20 - .21
hydrous, dms. lb. .07¾- .08
Potassium, gran., bgs., works, 100 lbs. 4.05 - —
lump, dms., works. 100 lbs. 4.80 - 5.20
powd., dms., works. 100 lbs. 4.95 - 5.35
USP, burnt, dms. lb. .20 - .21
hydrous, dms. lb. .07¾- .08
Potash-chrome, dms. lb. .17 - —
Sodium, dms., c.l., works. 100 lbs. 4.60 - —
l.c.l., works. 100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works, lb. .0385- —
l.c.l., works. lb. .0410- .0510
crystalline (see Aluminum oxide).
Aluminum acetate, basic solut., 24%, bbls., l.c.l., works. lb. .14 - —
Chloride, com'l, anhyd., dms., c.l., works, frt. equald. lb. .15 - —
l.c.l., works, frt. equald. lb. .1550- —
cryst., dms., c.l., works. lb. .1030- —
l.c.l., works. lb. .1070- —
solution, 32°, cbys., c.l., works. lb. .0369- —
l.c.l., works. lb. .0435- .0960
tankcars, works. 100 lbs. 2.80 - —
NF, gran., dms., works. lb. .29 - .31
Fluoride, tech., anhyd., bbls., c.l., works. lb. .11½- —
l.c.l., works. lb. .13½- —
Formate, basic solution, cbys. lb. .09½- —
l.c.l., works. lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald. ton. 60.00 - —
l.c.l., works. ton. 65.00 -85.00
light, bgs., dlvd. lb. .17 - —
Hydroxide, gel., pharmaceutical, 14-15% Al_2O_3, fib. dms., works. lb. .24 - —
contract, works. lb. .22 - —
9-9½% Al_2O_3, fib. dms., works. lb. .20 - —
contract, works. lb. .19 - —
dried, USP, XIV, fib. dms., works. lb. .82½- —
contract, works. lb. .79½- —
powder, tech (see Aluminum hydrate).
Laurate, precip., bbls. lb. .44 - —
Metal, 99%+, ingots, 10,000-lb. lots, lb. .19 - —
pigs, 10,000-lb. lots. lb. .18 - —
Oxide, amorphous (see Alumina, calcined),
crystalline, flour, classified, 8-240 mesh, dms. frt. alld. lb. .14 - .15
kgs. ton frt. alld. lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
280-400 mesh, dms., frt. alld. lb. .32 - .33
kgs., frt. alld. lb. .31 - —
500 mesh, dms., frt. alld. lb. .35 - .37
kgs., frt. alld. lb. .34 - —
600 mesh, dms., frt. alld. lb. .51 - .53
kgs., frt. alld. lb. .50 - —

Aluminum oxide flour prices W. of Denver ¼c. per lb. higher.

optical, floated, kgs., dlvd. lb. .38 - .86
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld. lb. .15 - —
Paste, lining, extra-fine, dms. lb. .59½- —
standard, dms. lb. .41 - —
Powder, lining, extra fine, dms. lb. .97½- —
standard, dms. lb. .68½- —
rubber grade, dms. lb. .58½- —
unpolished standard, dms. lb. .54½- —
varnish standard, dms. lb. .59 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., dms., frt. alld. lb. .27½- —
Stearate, dibasic, ctns., c.l. lb. .33 - —
ton lots or less. lb. .34 - —
monobasic, ctns., c.l. lb. .33 - —
ton lots or less. lb. .34 - —
tribasic, ctns., c.l. lb. .33 - —
ton lots or less. lb. .34 - —
Sulphate, com'l, bulk, c.l., works, 100 lbs. 1.65 - —
ground, bgs., works. ton. 33.00 - —
lump, bgs., works. ton. 36.00 - —
iron-free, bgs., c.l., works, frt. equald. 100 lbs. 3.25 - —
l.c.l., works, frt. equald 100 lbs. 3.65 - 6.25
USP, gran., dms., works. lb. .29 - .30
powd., dms., works. lb. .36 - .38
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots. oz. 8.00 -10.00
Ambrette seed, bgs. lb. .85 - .86
Aminoazotoluene, bbls. lb. .94 - 1.03
Aminoethylethanolamine, dms., c.l., works. lb. .47 - —
l.c.l., works. lb. .47½- —
tanks, works. lb. .45 - —

Aminomethylpropanol, cns., dms., works. lb. .60 - —
Aminophyllin, USP, 100-lb. dms. lb. 4.65 - —
Aminopyrine, USP, bots., dms. lb. 6.00 - 6.15
Ammonia, anhydrous, fertilizer, tanks, works. ton. 79.00 -80.00
pure, cyls., extra, zone 1. lb. .17 - .17½
2 lb. .17 - .18
3 lb. .17 - .19
4 lb. .20 - .21
5 lb. .16 - .19
refrigeration, tanks, works. ton. 80.00 -82.50
Aqua (29.4% NH_3), dms., c.l., dlvd. Met. area. 100 lbs. 3.60 - —
l.c.l., works. 100 lbs. 4.00 - —
tanks, works, anhyd. basis. ton. 80.00 -86.00
Ammoniac gum (see Gum ammoniac).
Sal, gray, bgs., c.l., works, frt. equald. 100 lbs. 8.25 - —
l.c.l., same basis. 100 lbs. 8.65 -11.15
white, gran., bgs., c.l., works, 100 lbs. 4.75 - —
l.c.l., works. 100 lbs. 6.50 - —
Ammoniacal liquor, tankcars, works, anhyd. basis. ton. 75.00 -80.00
Ammonium acetate, purified, dms. lb. .43 - —
Benzoate, USP, dms., kgs., 4,000 lb. lots, frt. alld. lb. .80 - —
smaller lots, frt. alld. lb. .81 - 1.08
Biborate, bbls., c.l., works. ton. 312.00 - —
ton lots, ex whse. ton. 375.00 - —
less ton lots, ex whse. ton. 380.00 - —
Bicarbonate, dom., dms., c.l., works. lb. .06 - —
l.c.l., works. lb. .07 - —
imported, dms., l.c.l. lb. .07¼- .08½
Bichromate, bbls., works. lb. .33 - .38
Bifluoride, dms., dlvd. lb. .16¾- .19¾
Bromide, gran., NF, bbls. lb. .38 - .39
dms. lb. .39 - .42
Powdered ammonium bromide 10c. per lb. higher.

Ammonium carbonate, USP, lump, powd., dms. lb. .23 - .24
Chloride, tech. (see Ammoniac sal).
USP, gran., bbls., dms. lb. .19 - —
Citrate, dibasic, bbls. lb. .75 - —
dms. lb. .80 - .85
Fluoride (see Ammonium bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms. lb. 2.40 - —
Iodide, NF, bots., jars. lb. 4.01 - 4.13
Linoleate, 80%, dms., works. lb. .50 - .55
Nitrate, fertilizer grade, Canadian eastern, 33.5% N, bgs., c.l., shipping point. ton. 72.50 - —
western, 33.5% N., bgs., f.o.b. cars, Los Angeles ton. 86.84 - —
domestic, bgs., western, works ton. 64.00 - —
with dolomite, 20.5% N, bgs., Hopewell, Va. ton. 51.00 - —
Oleate, 75%, dms., works. lb. .53 - .60
Oxalate, fine gran., dms. lb. .25 - .31
Pentaborate, gran., bbls., c.l., works. ton. 222.00 - —
ton lots, ex whse. ton. 285.50 - —
less ton lots, ex whse. ton. 290.00 - —

Ammonium pentaborate powder, $10 per ton higher.

Perchlorate, kgs., works. lb. .50 - .75
Persulphate, kgs. lb. .30 - .35
Phosphate, com'l, bgs., c.l., works. lb. .08¼- —
l.c.l., works. lb. .08¾- —
dibasic, NF, V, bbls., dms. lb. .45 - —
tech., bgs., c.l., works. lb. .08 - —
l.c.l., works. lb. .08½- —
Salicylate, NF, dms., kgs. lb. 1.62 - 1.64
Silicofluoride, dms., works. lb. .11 - .12
Sulphamate, bbls., dms., works. lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens. ton. 40.00 -45.00
synthetic, bgs., c.l. ton. 54.50 - —
bulk, works. ton. 51.50 - —
purified, dms., works. lb. .07½- .08¼
Sulphide, liq., 40-45%, dms., c.l., basis 100%, works. ton. 211.50 - —
l.c.l., basis 100% works. ton. 312.50 - —
tanks, dlvd. or frt. alld. ton. 181.50 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works. lb. .13 - —
l.c.l., works. lb. .19 - .30
Thioglycollate, com'l, cbys., 100% basis. lb. 1.60 - —
highly purified, cbys., 100% basis. lb. 1.70 - 1.90
Thiosulphate cryst., photo grade, fib. dms., frt. alld. lb. .65 - —
Amphetamine hydrochloride, dibasic, dextro, bots. lb. 32.00 - —
dextro-laevo, dms. lb 6.50 - 7.00
monobasic, dextro, bots. lb. 32.00 - —
Phosphate, dibasic, dextro, bots. lb. 32.00 - —
dextro-laevo, dms. lb 6.50 - 7.00
Sulphate, dextro, dms. lb. 32.00 - —
dextro-laevo, dms. lb. 6.50 - 7.00
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .19¾- .30¾
l.c.l., dlvd. lb. .20¾- .31¾
tanks, dlvd. lb. .18 - .29
ex pentane, dms., c.l., frt. alld. E. of Rockies. lb. .20 - —
l.c.l., same basis. lb. .21 - —
tanks, same basis. lb. .18 - —
Alcohol (see Alcohol, amyl).

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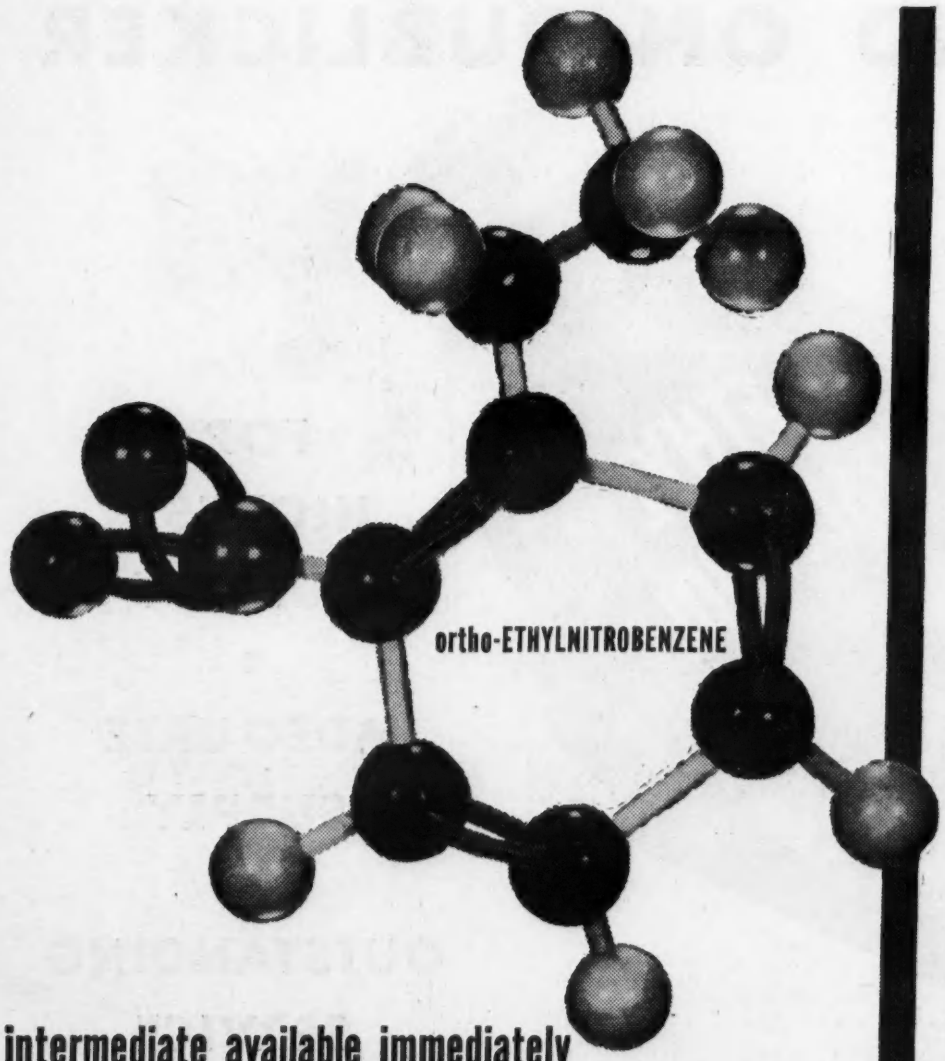
Amyl Butyrate—Black, Carbon, Channel

Amyl butyrate, dms lb. .90 - 1.05
Cinnamic aldehyde, dms lb. 1.80 - 2.10
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .77 - .95
Anethol, NF, cns., dms lb. 1.27 - 1.60
Angelica root, dom., bls lb. .60 - .70
imported, bls. lb. .50 - .80
Angostura bark, bls lb. .43 - .48
Anilin oil, dms., c.l., works, frt. alld. lb. .19 - —
l.c.l., works, frt. alld lb. .20 - —
tanks, works, frt. alld lb. .18 - —
Salt, dms., frt. alld lb. .30 - —
Anise, Chinese, star, bgs lb. .70 - .71
Czech, bgs lb. .12½- .13
Mexican, bgs lb. .13½- .14
Spanish, bgs lb. .15 - .15½
Turkish, bgs lb. .13 - .14
Anisic aldehyde, bots., dms lb. 2.45 - 2.80
Annatto seed, whole, bgs lb. .26 - —
powdered, dms lb. .28 - —
Anthracene, 80-85%, bbls., works lb. 1.10 - —
90%, bbls., works lb. 1.25 - —
Anthraquinone, 99.5%, bbls., frt. alld lb. .85 - .88
Antimony butter (see Antimony trichloride).
Metal, bulk, c.l., mines lb. .39 - —
cases, c.l., mines lb. .39½- —
Oxide, bgs., c.l., frt. alld lb. .32 - .36
l.c.l., frt. alld lb. .33½- .37½
Sulphide, 62-64%, bgs., dlvd lb. .36 - .38½
Trichloride, pails, c.l., works lb. .43 - .47
l.c.l., works lb. .45 - .49
solution, cbys. lb. .29 - .30
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, NF, dms lb. 2.50 - 2.60
Apomorphine hydrochloride, USP, bots oz. 23.40 - 23.90
Areca nuts, powd., bbls lb. .13 - .16
Arecoline hydrobromide, NF, bots, tins oz. 5.00 - 5.75
Arginine monohydrochloride, laevo, dms., 1 kilo lots kilo. 77.00 - —
Argols, min. 50%, bgs., shipment ports, per 100 kilos (100% basis) 40.00 - —
Arnica flowers (true montana), bls. lb. .55 - .75
root, bls lb. 1.45 - —
Arrowroot, powd., bgs lb. .11 - .14
Arsenic metal lump bbls., prompt ship't lb. .80 - .90
Trioxide, USP, dms lb. .48 - —
White, powd., bbls., c.l., dlvd lb. .06½- —
l.c.l., dlvd lb. .07½- .08½
Asafetida, cs lb. .32 - .35
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.)
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton. 1,300.00 - —
No. 2, c.l. (20 tons), mines ton. 675.00 - —
Run-of-mine, c.l. (20 tons), mines ton. 556.00 - —
fiber, 3K, c.l. (20 tons), mines, ton. 436.00 - —
3R, c.l. (20 tons), mines ton. 371.00 - —
3T, c.l. (20 tons), mines ton. 348.00 - —
3Z, c.l. (20 tons), mines ton. 321,00 - —
4K, c.l. (20 tons), mines ton. 173.00 - —
4M, c.l. (20 tons), mines ton. 173.00 - —
4T, c.l. (20 tons), mines ton. 156.00 - —
4Z, c.l. (20 tons), mines ton. 156.00 - —
5D, c.l. (20 tons), mines ton. 122.50 - —
Asbestos, Canadian, fiber, 5K, c.l., (20 tons), mines ton. 122.50 - —
5M, c.l. (20 tons), mines ton. 116.50 - —
5R, c.l. (20 tons), mines ton. 110.00 - —
6D, c.l. (30 tons), mines ton. 78.00 - —
7D, c.l., (30 tons), mines ton. 68.50 - —
7F, c.l. (30 tons), mines ton. 65.00 - —
7H, c.l. (30 tons), mines ton. 55.00 - —
7K, c.l. (30 tons), mines ton. 46.00 - —
7M, c.l. (30 tons), mines ton. 40.00 - —
7R, c.l. (30 tons), mines ton. 39.00 - —
7T, c.l. (30 tons), mines ton. 37.00 - —
7RF, c.l. (30 tons) mines ton. 40.00 - —
7TF, c.l. (30 tons), mines ton. 40.00 - —
8S, c.l. (30 tons), mines ton. 37.00 - —
Asbestos c.l. prices are in U. S. funds. L.c.l. lots, $4 per ton more.
Asphalt, gilsonite, black, seconds, 300°-390°F fusing point not uniform, bgs., c.l., Craig, Colo.; Heber City, Utah ton. 34.00 - —
select, 350°F fusing point, bgs., c.l., same basis ton. 38.00 - —
270°-295°F. fusing point, bgs., c.l., same basis ton. 37.00 - —
jet, bgs., c.l., same basis ton. 34.00 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
Petroleum, cut-back, tanks, tank-wagon, refinery gal. .09 - —
emulsion, tanks, tank-wagon, refinery gal. .09½- .10
steam-refd., less than 80 penetration tanks, tank-wagon, refinery ton. 22.00 - —
80-300 penetration, tanks, tank-wagon, refinery ton. 21.00 - —
Aspirin (see Acid, Acetylsalicylic.)
Atropine, USP, bots oz. 9.00 - 11.50
Sulphate, USP, bots oz. 5.60 - 6.50

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units vial. .42 - —
10,000 units vial. .80 - —
50,000 units vial. 2.88 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barberry root bark, bags lb. .35 - .40
tree bark, bgs. lb. .40 - .45
Barbital, USP, 100-lb. dms lb. 5.00 - —
Sodium, USP, dms lb. 5.25 - 5.27
Barium carbonate, precip., bgs., c.l., works ton. 85.50 - —
smaller lots, wo. ks ton. 95.50 - —
Chlorate, kgs., works lb. .34 - .38
Chloride, anhyd., bgs., c.l., works bgs ton. 152.00 - —
l.c.l., works ton. 162.00 - —
NF, cryst., dms lb. .16 - —
Chromate, bgs., frt. equald lb. .30 - —
Dioxide (see Barium peroxide).
Hydrate, crystals, bgs ton. 190.00 - 200.00
Iodide, bots. lb. 6.14 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .12½- —
l.c.l., works lb. .14 - —
Oxide, grd., dms., c.l., works ton. 250.00 - —
l.c.l., works ton. 260.00 - —
Peroxide, dms., works lb. .16 - —
Stearate, ctns., c.l. lb. .37 - —
ton lots lb. .38 - —
less ton lots lb. .39 - —
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls. lb. .14 - —
Sulphide, dms., c.l., works ton. 71.50 - —
l.c.l., works ton. 81.50 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton. 9.40 - 12.50
Barytes, Southern off-color, bgs., mines ton. 20.00 - —
95.75% bgs., mines ton. 20.00 - —
water grd., paper bgs., c.l., St. Louis ton. 37.60 - 37.85
ex-whse., N. Y. ton. 53.45 - 61.75
Bauxite, bulk, mines ton. 9.50 - 10.00
Bay leaves (see Laurel leaves).
Belladonna leaf, bls lb. .40 - .45
root, bls. lb. .45 - .50
Bentonite, 200 mesh bgs., works ton. 12.50 - —
Italian, white, high gel, bgs., l.c.l., works ton. 71.40 - —
5 ton lots ton. 68.90 - —
ex dock, 10 ton lots ton. 57.00 - —
low gel, bgs., l.c.l. ton. 69.70 - —
5-ton lots ton. 67.20 - —
ex dock, 10 ton lots, ton. 55.00 - —
Benzal chloride, cbys., works lb. .22 - .23½
Benzaldehyde, NF, dms lb. .74 - .79
tech., cbys., dms lb. .49 - .54
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit lb. .013 - .015
l.c.l., works, gamma unit lb. .019 - .021
dust, dry, distributors, dms., c.l., dlvd., gamma unit lb. .02 - .02¼
l.c.l., dlvd., gamma unit lb. .0275- —
wet, distributors, dms., c.l., dlvd., gamma unit lb. .0325- —
l.c.l., dlvd., gamma unit lb. .0335- .0400
Benzidine base, bbls lb. 1.02 - —
Hydrochloride, bbls., frt. alld lb. .94 - —
Benzocaine, dms lb. 3.48 - 3.50
Benzol, pure, nitration, tanks, works, Bethlehem, Pa gal. .37 - —
Birmingham district gal. .30 - .35
Chicago district gal. .30 - .35
Cleveland district gal. .30 - .35
Geneva, Utah gal. .30 - —
Johnstown, Pa gal. .35 - —
Lackawanna, N. Y. gal. .37 - —
Lone Star, Texas gal. .37 - —
Lorain, Ohio gal. .30 - —
Minaqua, Colo gal. .35 - —
Philadelphia, Pa gal. .37 - .39
Pittsburgh district gal. .30 - .35
Sparrows Point, Md. gal. .37 - —
Syracuse, N. Y gal. .37 - —
Terre Haute, Ind gal. .35 - —
Wyandotte, Mich gal. .38¼- —
Youngstown, Ohio gal. .35 - —
Benzophenone, dms lb. 1.40 - 1.70
Benzonitrile, dms., c.l., works lb. .46¾- —
l.c.l., works lb. .47 - —
Benzotrichloride, cbys., frt. equald lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald lb. .20½- .23¼
l.c.l., same basis lb. .21½- .24½
Peroxide, pure, fib. ctns., works lb. .90 - 1.05
Benzyl acetate, f.f.c., cns., dms lb. .65 - 1.05
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .21 - —
l.c.l., same basis lb. .24 - —
High grade benzyl chloride, 2c. higher.
Cinnamate, cns lb. 3.00 - 4.00
Formate, cns lb. 1.60 - 2.10
Propionate, bots lb. 1.35 - 1.80
Salicylate, bots lb. 1.65 - 1.85
Benzylidinacetone, bots lb. 1.68 - 2.45
Benzylisoeugenol, bots lb. 8.60 - 9.40
Berberine bisulphate, cns lb. 35.00 - 36.25
Hydrochloride, bots lb. 35.00 - 36.25
Berberis root, bls lb. .22 - .30
Betagammapicoline, 5°, dms., c.l., works lb. .29½- —
l.c.l., works lb. .30 - —
Betamethylnaphthalene, 32°C m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .78½- —
tech., bbls., c.l., works lb. .32½- —
l.c.l., works lb. .34½- —
Benzoate, fib. dms., works lb. 3.00 - —
Custom contract lb. 1.65 - 1.85
Salicylate, dms lb. 5.00 - —
Sulphate, cns lb. 35.00 - 36.25
Betanaphthylamine, tech., bbls., works lb. 1.05 - 1.10
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.10 - —
smaller lots lb. 1.15 - 1.40
Betapicoline, 98%, dms., works lb. 1.05 - —
Beth root, bls lb. .45 - .50
Biotin, cryst., bots gram 10.00 - —
Bismuth chloride, jars lb. 5.11 - —
Hydroxide, dms lb. 4.65 - —
Metal, bxs., ton lots lb. 2.25 - —
Nitrate, cryst., dms lb. 2.10 - 2.17
Oxide, anhydrous, dms lb. 4.47 - 5.05
Oxychloride, dms lb. 4.37 - 4.43
Phenolsulphonate, fib. dms lb. 5.22 - —
Subcarbonate, USP, dms lb. 3.20 - —
Subgallate, NF, fib. dms lb. 3.15 - —
Subiodide, fib. dms lb. 5.37 - —
Subnitrate, NF, dms lb. 2.65 - —
Subsalicylate USP, dms lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Black, acetylene, bgs., c.l., works lb. .16 - —
ca. l.c.l., ship't point lb. .20 - .22
Bone, dms., l.c.l., frt. alld lb. .14¼- .21
Pacific coast bone black prices, 2c. per lb. higher.
Carbon, channel, heads, bulk, c.l., works lb. .07 - —
bgs., c.l., works lb. .074- —
l.c.l., dlvd. or whse lb. .1225- —
uncompressed, regular, bgs., c.l., works lb. .10 - —
bgs., ctns., l.c.l., dlvd. or whse lb. .10 - —



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This *low cost* intermediate, and its derivative, ortho-ETHYLANILINE, now are available from Monsanto. They undergo many interesting reactions to yield, for example, indole, ortho-amino and ortho-nitro-acetophenone, quinolines, a substituted thiourea, an isocyanate and cinnolines. Technical bulletin and quotation available upon request.

APPROXIMATE PROPERTIES of ortho-ETHYLNITROBENZENE

Molecular Weight: 151.1
Appearance: Yellow to green, clear liquid.
Assay: 99-100% (including approx. 4% to 6% para isomer)
Boiling Point: About 228° C.
Crystallizing Point: About —12° to —14° C.
Refractive Index at 25° C.: 1.53
Solubility: Miscible in most organic solvents, immiscible in water.
Specific Gravity at 25°/25° C.: 1.1

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o & p-Chlorophenol
o & p-Chloroaniline
ortho-Aminobiphenyl
ortho-Ethylnitrobenzene
ortho-Nitrochlorobenzene
ortho-Phenetidine
ortho-Phenylphenol
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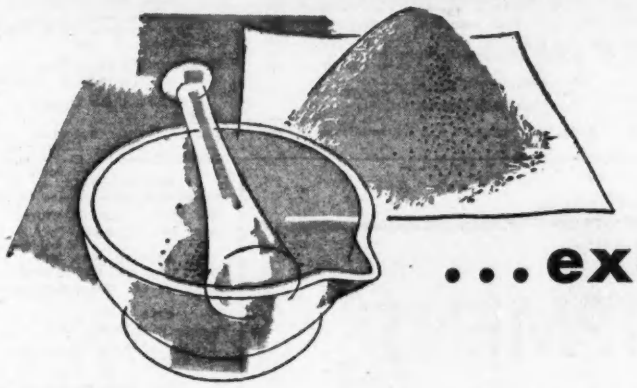

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Black, Carbon, Furnace—Calciferol

Black, carbon, furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l., whse lb. .10 - —
high abrasion, bulk, c.l., works lb. .0750- —
bgs., c.l., works lb. .0790- —
l.c.l., divd. or whse lb. .1250- —
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .04 - —
ctns., l.c.l., whse lb. .06 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, pure, bgs., c.l., works lb. .1175- —
l.c.l., works lb. .12 - —
Lamp, bgs., c.l., works lb. .16 - .45
Mineral, bgs., works lb. .0160- .0675
Black ash (see Barium sulphide).
Blackberry bark of root, bls lb. .25 - .30
root, bls lb. .15 - .16
Black dyes (see Dyes).
Black haw, root bark, bls lb. .65 - .70
tree bark, bls lb. .38 - .40
Black Indian hemp root, bls lb. .50 - .58
Blanc fixe, dry by-product, bgs., c.l., works ton.100.00 - —
l.c.l., works ton.110.00 - —
direct process, bgs., c.l., works. ton.90.00 - —
l.c.l., works ton.100.00 - —
N. Y. whse ton.120.00 -130.00
pulp, 66⅔%, bbls., c.l., works. ton.84.00 - —
l.c.l., same basis ton.92.00 - —

Bleaching powder, dms., c.l., works. 100 lbs. 5.02 - —
l.c.l., works 100 lbs. 6.52 - —
Blood, dried, 16-16½% ammo., bgs., unit-ton. 6.00 - —
high-grade, unground, 16-17% ammon, bgs., Chicago, unit-ton. 6.00 - —
soluble, bgs., c.l. lb. .17 - .18½
l.c.l. lb. .18 - .25
Bloodroot, bls lb. .60 - .61
Blue, alkali, dry, bbls., divd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 2.00 - —
toner, bbls., litho flushed, same basis lb. 1.10 - —
Chinese, bbls., same basis lb. .39¾- .45
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.85 - —
resinated, bbls, same basis lb. 3.40 - —
water dispersable lb. 1.54 - —
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda).
Methyl violet toner, molybdated, PMA bbls., same basis lb. 2.00 - —
tungstated, PTMA, bbls., same basis lb. 4.05 - —
Milori, bbls., same basis lb. .39¾- .45
Peacock, fugitive, 100% color strength, bbls., same basis. lb. .75 - —
Potash, CP, bbls., same basis lb. .56 - —
Prussian, insoluble, bbls., same basis lb. .39¾- .45
soluble, bbls., same basis lb. .48 - —

Blue, soda, C.P., bronze, bbls., same basis lb. .39¾- .45
Ultramarine, cobalt type, dry or pulp, bbls., same basis.
regular types, dry, bbls., same basis lb. .15 - .33⅓
Victoria toner, molybdic, PMA bbls lb. 3.90 - —
tungstated, PTMA, bbls lb. 5.35 - —
Blue, dry colors, divd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher. Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls lb. .50 - .55
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. .08 - .12
Bone meal, raw, 4½% ammon., 50% phos., bgs., works, E ton.70.00 - —
steamed, works, E ton.75.00 - —
Phosphate, defluorinated (see D).
of lime (see Calcium phosphate, tribasic).
precipitated (see Calcium phosphate, tribasic, NF, precip.).
Raw, bulk, Atlantic ports ton.60.00 - —
Boneset leaves and tops, bls lb. .17 - .20
Borage flowers, bls lb. .40 - .49
Borax, tech., anhydrous, bgs., c.l., works ton.74.50 - —
ton lots, ex whse., N. Y. or Chi ton.120.25 - —
less ton lots, same basis. ton.125.25 - —
bulk, c.l., works ton.67.50 - —

Borax, tech., crystals, 99½%, bgs., c.l., works ton.63.75 - —
ton lots, ex whse. N. Y. or Chi ton.109.50 - —
less ton lots, same basis. ton.114.50 - —
bbls., c.l., works ton.88.25 - —
ton lots, ex whse., N. Y., or Chi ton.134.00 - —
less ton lots, same basis. ton.139.00- —
bulk, c.l., works ton.59.25 - —
granular, 99½%, bgs., c.l., works ton.37.75 - —
less ton lots, same basis. ton.88.50 - —
ton lots, ex whse., N. Y. or Chi ton.83.50 - —
bbls., c.l., works ton.62.25 - —
ton lots, ex whse., N. Y. or Chi ton.108.00 - —
less ton lots, same basis. ton.113.00 - —
bulk, c.l., works ton.33.25 - —
powder, bgs., c.l., works ton.42.75 - —
ton lots, ex whse., N. Y. or Chi ton.88.50 - —
less ton lots, same basis. ton.93.50 - —
bbls., c.l., works ton.67.25 - —
ton lots, ex whse., N. Y. or Chi ton.113.00 - —
less ton lots, same basis. ton.118.00 - —
bulk, c.l., works ton.38.25 - —
Borax packed in kgs. $45.50 per ton higher than in paper bgs. UFS borax $15 per ton higher.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .161 - .221
l.c.l., same basis lb. .171 - .241
Borneol, crs. lb. 2.25 - 2.50
Bornyl thiocyanoacetate (see Isobornyl thiocyanoatcetate).
Borontrifluoride gas, cyls., truckload, works lb. .62 - —
less truckload, works lb. .70 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .25 - —
1,000-lb. lots, same basis lb. .27 - —
dms., lead-lined, divd lb. .25 - —
Bromoform, pharmaceutical grade, bots. lb. 1.62 - 2.60
cbys. lb. 1.52 - —
Bromstyrol, bots lb. 5.40 - 5.70
Bronze powder, aluminum (see A).
Gold, litho., cns., dms., works, lb. .75 - .85
moulding, cns., dms., works lb. .85 - 1.00
printing ink, cns., dms., works lb. 1.05 - 1.25
radiator, cns., dms. works lb. .80 - .85
Broomtop, bls lb. .30 - .35
Brown, iron oxide, pure, bgs., c.l., works lb. .1275- —
l.c.l., works lb. .13 - —
Oxide, metallic, bgs., works lb. .0375- —
Sap, crystals, bgs., works lb. .12 - —
powdered bgs lb. .13 - —
Sienna, burnt paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works lb. .04½- .15½
raw, paper, bgs., c.l., works lb. .04½- .13
l.c.l., works lb. .04¾- .13¼
Umber, burnt, American, bgs., c.l., works lb. .06 - —
l.c.l., works lb. .06¼- —
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y lb. .06¼- —
l.c.l., works lb. .06½- —
raw American, bgs., same basis lb. .06¼- .06¼
Turkey type bgs., same basis lb. .06½- .06¾
Vandyke, bbls, works lb. .11 - —
Brucine, cns., 100-oz lots oz. .33 - .35
Sulphate NF, cns., 100-oz. lots oz. .26 - .29
Bryonia root, bls lb. .22 - .34
Buchu leaves, bls lb. .35 - .40
Buckthorn bark, bls lb. .13 - .17
cut and sifted, bls lb. .18 - .23
Berries, bgs lb. .80 - .90
Burdock root, bls lb. .22 - .26
Butadiene, cyls, refinery lb. .22 - —
tanks, same basis lb. .12½- —
Butane, indust., tanks, group 3 gal. .05 - —
Butternut bark, bls lb. .23 - .25
Butyl acetate fermentation, normal, dms., c.l., frt. alld E. lb. .16 - —
l.c.l., same basis lb. .16¾- —
tanks, same basis lb. .14¼- —
synthetic, normal, dms., c.l., divd. E. lb. .16 - —
l.c.l., same basis lb. .16¾- —
tanks, same basis lb. .14¼- —
secondary, dms., c.l., divd. E. lb. .13¼- —
l.c.l., same basis lb. .14 - —
tanks, same basis lb. .11½- —
Alcohol (see Alcohol butyl).
Aldehyde, dms., c.l., divd lb. .22½- —
l.c.l., divd. lb. .23½- —
tanks, divd lb. .20¾- —
Chloride, dms., c.l., works lb. .43½- —
l.c.l., works lb. .44 - —
Ether (see Ether butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .34¾- —
l.c.l., same basis lb. .35¾- —
tanks, same basis lb. .33 - —
Laurate, dms., works lb. .39 - —
Methacrylate normal, dms., less truckloads, works lb. .70 - —
Oleate refd., dms., l.c.l., works lb. .38 - —
Phenylacetate, dms lb. 4.50 - 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms., l.c.l., frt. equald lb. .24 - .27¼
Butylamine, dms., c.l., frt. alld E. of Rockies lb. .54¾- —
l.c.l., same basis lb. .55¾- —
tanks, same basis lb. .53 - —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars lb. 5.56 - 6.75
Metal, ingots or sticks, cs., divd. lb. 2.25 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N. Y., frt. equald lb. 1.25 - —
Caffeine, natural, USP, cryst., dms., 100 lbs. or more lb. 5.25 - —
anhydrous, dms lb. 5.50 - 5.75
synthetic, USP, cyst., dms., 100 lbs. or more lb. 3.80 - —
anhydrous, dms., 100 lbs. or more lb. 4.00 - —
Citrated, USP, dms., 100 lbs. or more lb. 2.60 - —
Hydrobromide, bots lb. 7.72 - 7.97
Calamine, USP, dms lb. .34 - —
Calamus root, dcm., natural, bgs. lb. .25 - .30
imported, bleached, bls lb. .70 Nom.
stripped, bls lb. .30 - .40
Calciferol, cryst., vials, 250 grams or more, works gram. .95 - —
25 to 249 grams, works gram. 1.00 - —
in edible oil dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit. .04¾- —
1,000 to 10,000 standard units, works unit. .05¼- —
less than 1,000 standard units, works unit .05¾- —

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Arsenate dealers, dms., c.l., whse., works, frt. alld. on 96 lbs. or over lb. .10 - .11
l.c.l., same basis lb. .11 - .12
Bromide, NF, jars lb. .90 - .92
Carbide, standard generator size, dms., c.l., dlvd. ton.134.40 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.25.00 - —
liquor, 40%, tankcars, works, frt. alld. ton.10.50 - —
pellets, bgs., c.l., works ton.31.25 - —
powder, bgs., c.l., works ton.35.65 - —
solid, 73-75%, dms., c.l., frt. equald ton.23.50 - —
l.c.l., works, same basis ton.32.00 -69.00
USP, gran., bbls. lb. .30 - —
Chromate, bgs., frt. equald lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies. lb. .30 - .50
Gluconate, AA, bbls., dms. lb. .65 - .74
USP, bbls., dms. lb. .58 - .67
Glycerophosphate, NF, fib. dms. lb. 2.00 - 2.15
Hydride, dms., works lb. 2.40 - 3.00
Hypochlorite, high test, cns., cased 445 lbs.) dlvd. E. of Rockies cs.21.00 -23.00
100 lbs., dms., same basis dm.25.25 -29.85
Hypophosphite, dms., ton lots or less lb. .90 - .93
Iodide jars lb. 4.32 - —
Lactate, USP, dms., 10,000-lb. lots or more, works lb. .40 - —
smaller lots, works lb. .41 - .48
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald lb. .25¾ - —
Nitrate, tech., bbls., works lb. .10 - .12
fertilizer grade, bgs., c.l., Los Angeles ton.49.25 - —
Panthothenate, dextro, jars, 100 grams or more, frt. adjusted gram. .07½ - —
Para-aminosalicylate, fib. dms., 1,000-lb. lots or more, frt. adjusted lb. 7.00 - —
smaller lots, same basis lb. 7.05 - 7.50
Phenolsulphonate, dms lb. .70 - —
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 7.10 - —
l.c.l. 100 lbs. 7.60 - 7.95
feed grade, bgs. c.l., works ton.92.50 - —
l.c.l., bgs., works ton.95.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .0625- —
smaller lots, same basis lb. .0675- —
tribasic, precip., NF, bgs., c.l., works 100 lbs. 7.10 - —
l.c.l., works 100 lbs. 7.45 - —
Phytate, bgs works lb. .28 - —
Resinate, precip. dms. frt. alld., works lb. .27¾ - —
Silicate, hydrated, bgs., c.l., works lb. .06 - —
l.c.l., works lb. .06½ - —
Stearate, ctns., c.l. lb. .35 - —
ton lots lb. .36 - —
less ton lots lb. .37 - —
Sulphate (see Gypsum).
Calcium-strontium sulphide, phosphorescent, steel pails, 100 lb. to 999 lb. lots, works lb. 2.60 - 3.50
fine particle size, same basis, works lb. 2.65 - 3.75
Calendula flowers, bls lb. .50 - .65
Calomel, USP, powd., dms lb. 4.02 - 4.05
Camphene, dms., incl., c.l., works. lb. .1830- .1930
l.c.l., same basis lb. .1880- .2015
tanks, same basis lb. .1394- .1660
Chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 3.00 - 3.10
natural, USP, powd., 100-lb. lots, bbls lb. .55 - .60
tablets, 1-oz., ½-oz., cs lb. .70 - .75
synthetic, tech., bbls., 10 bbls., 1,500-lb. lots lb. .55¼- —
smaller lots lb. .56 - .66
USP, gran., powd., bbls., 2,000-lb. lots lb. .60 - —
1,000-lb. lots lb. .61 - —
smaller lots lb. .62 - —
tablets, tins, 2,000-lb. lots lb. .93 - —
1,000-lb. lots lb. .94 - —
smaller lots lb. .95 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls lb. .25 - .33
Cantharides, Chinese, cs lb. 1.05 - 1.20
powd., bxs lb. 1.15 - 1.40
Russian, bgs lb. 2.80 - 3.25
powd., bxs lb. 2.90 - 3.50
Capsicum (see Pepper, red).
Oleoresin, NF from domestic pepper dms. lb. 4.25 - 5.75
from African pepper, dms. lb. 4.75 - 6.25
Caramel coloring, NF, bbls. gal. 1.05 - 1.20
Caraway seed, Dutch, bgs. lb. .10¼- .10½
Carbazole 97% steel dms, ton-lots, works lb. 1.55 - —
bbls., same basis lb. 1.65 - 1.85
Carbinol, methylisobutyl, dms., c.l., dlvd lb. .15¼- —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13¼- —
Carbon bisulphide, 50-gal dms., c.l., works, frt. alld. to competitive points lb. .0700- —
l.c.l., same basis lb. .0800- —
5-gal. dms., c.l., same basis lb. .0950- —
l.c.l., same basis lb. .1050- —
tankcars, same basis lb. .0490- —
Dioxide, cyls lb. .08 - —
Tetrachloride, CP, dms., works lb. .1097- .1197
NF, chys lb. .17 - .18
tech., dms., c.l., E. of Rockies, frt. alld lb. .0847- —
W. of Rockies, f.o.b. stock-points lb. .0897- —
l.c.l., E. of Rockies, frt. alld. lb. .1047- —
W. of Rockies, f.o.b. stock-points lb. .1107- —
tanks, E. of Rockies, frt. alld. lb. .0772- —
W. of Rockies, f.o.b. stock-points lb. .0823- —
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works lb. 4.10 - 4.75
Cardamom fruit, bleached, A, cs lb. 4.00 - —
medium, cs lb. 3.30 - 3.40
decorticated, Alleppey, cs lb. 3.00 - 3.10
Guatemalan, cs lb. 2.80 - 2.85
Mangalore type, cs lb. 2.50 - 2.55
green, Alleppey, bgs lb. 2.10 - 2.15
Ceylon, bgs lb. 2.10 - 2.15
seed (see Cardamom fruit, decorticated).
Carmine No. 40, NF, bulk, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd lb. 5.65 - 6.15
Carotene, crystals, research grade, pure alpha or beta ampuls. 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
gram, quantities, ampuls, gm. 5.00 - —
technical, 1,350,000 A units per ampuls gram gm. .67½- —
tins, works gm. .50 - —
dry powder, 3,330 A units per gram, tins lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. can per can 1.00 - —

Carotene crystals, in vegetable oil, 166,666 A units, per gram. lb. 25.24 - —
50,000 A units per gram, cns lb. 7.86 - —
3,330 A units per gram cns lb. .85 - —
feed grade, 5,000,000 to 8,000,000 A units, per lb., dms., works mill units. .18 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works mill units. .30 - —
Carvol, bots lb. 8.75 -10.50
Cascara sagrada bark, bulk lb. .27 - .28
Casein, dom., acid-precip, standard, bgs., 10,000-lb lots or more, ship't point lb. .28 - .32
premium bgs., 10,000-lb. lots or more, ship't point lb. .35 - .37½
imported, Argentine, acid-precip., grd., 100-bg., lots or more, ex dock lb. .17½- —
other origins, rennet, bgs, 10,000-lb. lots or more, ex dock lb. .21½- .23
Cashewnut shell liquid, treated, dms., c.l. f.o.b. Newark, N. J. lb. .22 - —
ton lots, same basis lb. .23 - —
dm., lots, same basis lb. .25 - —
Cassia, Batavia, cuttings, bls. afloat lb. .15 - .16
longstick lb. .18 - .19
shortstick, bls lb. .16 - .17
China, Canton, Kwangsi rolls, select, cs. lb. .22 - .23
broken, bls lb. .21 - .22
Honan, Yunnan, scraped, bls lb. .28 Nom.
unscraped, bls lb. .27½- .28
Saigon, broken, bls lb. .32 - .38
medium, bls lb. .38 - .50
thin, bls lb. .52 - .54

Cassia buds, bgs lb. .35 - .36
Fistula, bskts lb. .25 - .30
Castor beans, bgs., f.o.b. Brazilian ports long ton.180.00 Nom.
Oil (see Oil, castor)
Pomace, bgs., c.l., works ton.37.25 - —
Castoreum, artificial, cns lb. 9.00 - 9.25
natural, cns lb. 7.00 -30.00
Catechol, CP, cryst. fib. dms., works lb. 2.17½- —
resublimed dms., works lb. 4.29½- —
Catnip leaves, southern, bls lb. .65 - .70
Celery seed, French, bgs lb. .36½- —
Indian, bgs., afloat lb. .28 - .29
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate flake, ctns., dlvd. lb. .43 - .48
extrusion compounds, translucent, metallic pearls, special black, dms., c.l., same basis lb. .55 - —
l.c.l., same basis lb. .58 - —
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld lb. .50 - —
l.c.l., same basis lb. .53 - —
regular black, dms., l.c.l., same basis lb. .43 - —
molding and extrusion transparent, dms., c.l., same basis lb. .55 - —
l.c.l., same basis lb. .58 - —
Acetate-butyrate, flake, 16% butyryl content, standard cartons, works lb. .64 - —
17% butyryl content, standard cartons, works lb. .54 - —

Cellulose, acetate-butyrate, flake, 27% butyryl content, standard cartons, works lb. .64 - —
38% butyryl content, low viscosity, standard cartons, works lb. .68 - —
medium viscosity, same basis lb. .54 - —
flake, 50% butyryl content, standard cartons, works, lb. .63 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld lb. .63 - —
regular black, dms., l.c.l., same basis lb. .53 - —
Triacetate, flake, ctns., works, frt. alld. on 100-lbs. or more, lb. .52 - —
Cerium hydrate, dms., works lb. 1.44 1.60
Oxalate, NF, bbls., bgs., works lb. No prices.
Oxide, optical grade, bgs., 50-lbs. or more, works lb. 1.75 - 1.95
smaller lots, works lb. 1.80 - 2.25
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .0295- .033
l.c.l., ex whse lb. .0395- .05
paint, bgs., c.l., works ton.40.00 —
papermakers, bgs., c.l., works ton.32.50 -40.00
rubber makers, bgs., c.l., works. ton.55.00 -60.00
Chamomile flowers, Hungarian and Hungarian style, cs lb. .55 - .65
Roman, cs lb. .75 - .80
Charcoal, activated, NF, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32½
smaller lots, works lb. .27 - .50
Bone (see Black, bone).

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DTBP leaves no color-forming bodies, no acid residues. It helps to produce clear or lighter colored polymers.

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Charcoal, Hardwood—Corn Syrup

Charcoal, hardwood, briquets, bgs., c.l., works..ton.77.00 -88.00
bulk, c.l., works.....ton.70.40 - —
granular, bgs., works.....ton.77.00 - —
Pinewood, gran., powd., bgs., c.l., works, South..ton.43.50 - —
l.c.l., works.....ton.43.50 -53.50
lump bgs., c.l., works, South.ton.40.00 - —
l.c.l., works, South.....ton.50.00 -60.00
bulk, c.l., works, South ton.33.50 - —
Chestnut extract, 25% tannin, bbls., c.l., works..lb. .0510- —
l.c.l., works.....lb. .0543- —
tanks, works.....lb. .0425- .0440
powd., 60% tannin, bgs., extra, c.l., works..lb. .1092- —
l.c.l., works.....lb. .1165- —
Chloral, tech., 94% min., dms., c.l., works..lb. .23 - —
l.c.l., works.....lb. .24 - —
tanks, works.....lb. .21 - —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots..lb. 1.30 - —
500-lb. lots.....lb. 1.33 - —
100-lbs. or less.....lb. 1.35 - 1.40
Chloramine T, NF, bbls., works..lb. .75 - 1.00
Chlordane, agricultural, dms., palls, c.l., frt. alld..lb. .63 - —
l.c.l., frt. alld.....lb. .66 - .73
refined, dms., c.l., frt. alld..lb. .75 - —
l.c.l., frt. alld.....lb. .76 - .83
Chlorinated paraffin, 42% dms., frt. alld., c.l..lb. .14 - —
l.c.l.....lb. .14¼- —
70%, dms., c.l., same basis.lb. .18 - —
l.c.l., same basis.....lb. .19 - —
rubber, 5, 10, 20 cps., ctns., c.l., works..lb. .55 - —
l.c.l., works.....lb. .57 - —
125, 1,000 cps., ctns., c.l., works lb. .60 - —
l.c.l., works.....lb. .61 - .63

Chlorine, liquid, cyls., c.l., N.Y. lb. .03¾- —
l.c.l., N.Y., stock points lb. .10¼- —
tanks, single units, works, frt. equald..100 lbs. 2.70 - —
W. of Rockies.....100 lbs. 2.82½- —
multiple units, 3 cars, works, frt. equald..100 lbs. 2.10 - —
2 cars, same basis..100 lbs. 3.50 - —
1 car, same basis.....100 lbs. 4.40 - —
Chloroform, tech., dms., c.l., dlvd. E lb. .18 - .182
l.c.l., same basis.....lb. .192 - .20
tanks, same basis.....lb. .17 - .171
USP, dms.....lb. .30 - .35
Chloro(4)-2-Toluidine, bbls.....lb. 1.38 - —
Chlorophyll, oil soluble, 4%, not fixed, tins, pails, works lb. 3.75 - 4.50
copper fixed, 6%, tins, pails, works..lb. 6.00 - 6.50
Sodium-copper, aqueous solut., 4%, 55 gal. dms., works lb. 3.25 - —
8%, 55 gal. dms., works. lb. 6.00 - —
15% 55 gal., dms., works. lb.12.00 - —
concentrated, dom., 50%, dms., works, 100% basis..lb.85.00 -90.00
75%, dms., works, 100% basis..lb.85.00 -90.00
90%, dms., works, 100% basis..lb.85.00 -90.00
imported, 50%, dms., basis 100%..lb.60.00 -65.00
75%, dms., basis 100%..lb.60.00 -65.00
90%, dms., basis 100%..lb.60.00 -65.00
Chloropicrin, com'l, bots.....lb. 1.50 - —
cyls., 180 lbs., frt. alld.....lb. .95 - —
100 lbs., same basis.....lb. .97 - —
25 lbs., same basis.....lb. 1.23 - —

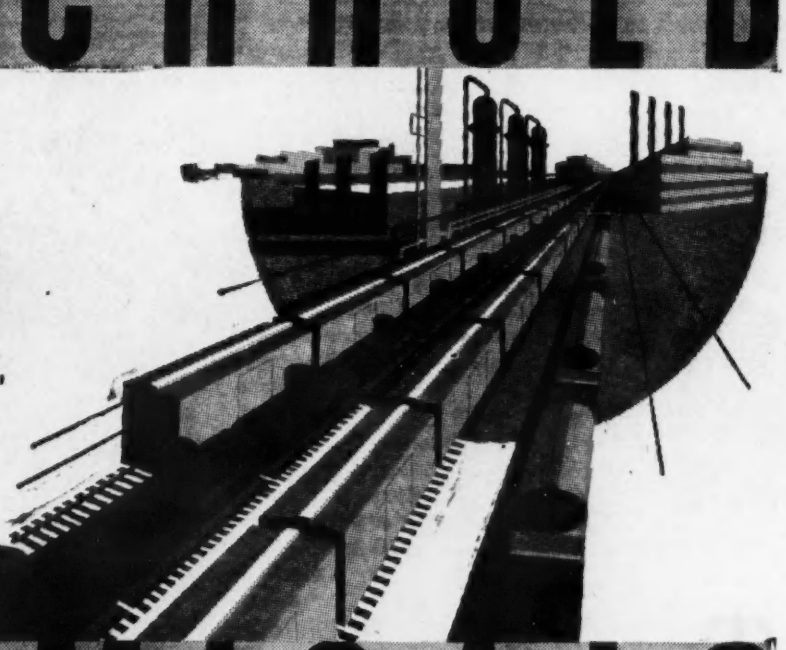
Cholesterol, USP, fib. dms., 100-lb. lots..lb. 8.80 - 9.50
5-lb. pkg.....lb. 9.00 -10.50
1-lb. pkg.....lb. 9.50 -10.50
Choline bitartrate, fib. dms., frt. adjusted..lb. 1.70 - 1.95
Chloride, fib dms., same basis lb. 1.70 - 1.95
Dihydrogen citrate, fib. dms., same basis lb. 1.70 - 1.95
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks.
solut., 7½%, bbls., works...lb. .08½- —
cbys.....lb. .10¼- —
8½%, bbls., works.....lb. .09 - —
cbys.....lb. .10¾- —
Fluoride, bbls., works.....lb. .44½- —
Green (see Green, chromium).
Oxide (see Green, chromium oxide).
Oleate, solid, bbls.....lb. .49 - —
Trioxide, NF, bots.....lb. .82 - .89
Yellow (see Yellow chrome).
Chrysarobin, USP, bots.....lb. 9.03 - —
Cinchona bark, NF, red, broken, bgs lb. .28 - .30
yellow, broken, bgs .....lb. .28 - .30
Cinchonidine, cryst., cns., 100 ozs. oz. .71 - .72
Sulphate, cns., 100 ozs .....oz. .37 - .40½
Cinchonine, cryst., cns., 100 ozs..oz. .52 - .57
Sulphate, NF, cns., 100 ozs....oz. .27 - .30½
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol cinnamic)
Aldehyde, NF cns., dms .... lb. 1.05 - 1.30
Cinnamon, Ceylon, No. 2, bls....lb. .25 - .25½
Citral, bots., cns.....lb. 4.15 - 4.55
Citronellal, bots., dms.....lb. 1.65 - 2.00
Citronellol, bots., dms.....lb. 2.10 - 2.45
Civet, artificial, bots.....lb.13.75 -15.00
natural, bots.....oz. 3.50 - 7.00

Clay, ball, dom., crushed, bulk, Tennessee ton.10.00 -12.00
airfloated, bgs., c.l., Tennessee. ton.19.50 - —
purified, bgs., c.l., Tennessee. ton.20.50 - —
imported, lump, bulk, Atlantic port..long ton.27.00 -30.00
airfloated, bgs., c.l., Atlantic port, long ton.43.00 -45.00
pulverized, bgs., l.c.l., all ports ton.55.00 - —
97%, 200 mesh, bgs., c.l., Georgia ton.54.00 -56.00
China, dom., dry-grd., air-float, 99%, 300 mesh bgs., c.l., works ton.11.50 -14.50
l.c.l., works ....ton.35.30 - —
bulk, c.l., works..ton. 8.50 -11.50
200 mesh, bgs., c.l., works ton.13.50 -17.00
imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me..gross ton.20.00 -40.00
powd., bgs., c.l., ex dock. net ton.50.00 - —
l.c.l., ex whse....net ton.60.00 -65.00
Clove, Madagascar, bls.....lb. 1.25 - —
Zanzibar, bls.....lb. 1.27 - —
Clover tops, red, bgs.....lb. .45 - .50
CMC, purified, high vis., (see Gum, cellulose).
standard low vis., bgs., 23,000 lbs. or over, works, frt. alld.lb. .60 - —
smaller lots, same basis lb. .62 - —
medium vis., bgs., 23,000 lbs. or over, works frt. alld. lb. .57 - —
smaller lots, same basis lb. .59 - —
technical, high vis., 58% purity, bgs., 20,000 lbs or more, dlvd. E., 100% basis lb. .56 - —
2,000 to 20,000 lbs., dlvd. E. lb. .58 - —
less than 2,000 lbs., dlvd. E lb. .62 - —
low vis., 62% purity, bgs. or fib. dms., c.l., dlvd. E., basis 100% lb. .46 - .47
l.c.l., dlvd. E., basis 100% lb. .48 - .49
58% purity, bgs., c.l., dlvd. E. net weight basis..lb. .34 - —
l.c.l., dlvd. E .....lb. .36 - —
47½% purity, bgs., c.l., dlvd., E., 100% basis lb. .46 - —
l.c.l., dlvd. E.....lb. .48 - —
36½% purity, bgs., c.l., dlvd., E., net weight basis lb. .18½- —
l.c.l., dlvd. E.....lb. .20 - —

Technical grades of CMC West of the Rocky Mountains are quoted f.o.b. works at 1c. per pound below the above delivered prices.

Coaltar, coal gas, water gas, crude, resale dms., c.l., ex-whse, gal. .24 - .27½
l.c.l., ex-whse.....gal. .26 - .28½
tanks, ex-whse.....gal. .14 - .15
refd., resale, dms., c.l., ex-whse gal. .25 - .28½
l.c.l., ex-whse.....gal. .27 - .29½
tanks, ex-whse.....gal. .15 - .16
Cobalt acetate, 23.7% bbls., dlvd lb. 1.14¾- —
Carbonate 48%, powd., bgs., dlvd lb. 1.92¼- —
Chloride, 24.2% Co., kgs., dlvd., lb. 1.10½- —
Hydrate, 60-61% Co., bbls., dlvd. lb. 2.52 - —
Linoleate fused, 8½% Co., dms.lb. .64½- —
liquid, 6% Co., dms.....lb. .53¼- —
Metal, 97.99%, kgs., ex-whse....lb. 2.40 - —
Naphthenate, liq., 6% Co., dms., lb. .42¾- —
Nitrate, 20.1% Co., bbls., dlvd..lb. .99¼- —
Oxide, black, 70-71% Co., kgs. lb. 1.76 - —
Phosphate, powdered, 32.1% Co., kgs. dlvd..lb. 1.57¾- —
Resinate, fused, 3% Co., dms..lb. .27 - —
Sulphate, cryst., 21% Co., dms., dlvd..lb. .81¼- —
monohydrated, 33% Co., dms. dlvd..lb. 1.28½- —
Cocaine, USP, cns., 100-oz. lots..oz.15.00 - —
Hydrochloride, cns. 100-oz. lots oz.11.75 - —
Cochineal, USP, gray, bgs.....lb. .68 - .90
Cocillana bark, bgs.....lb. .13 - .15
Cocoa butter, hgs.....lb. .73 - —
Codeine, NF, cns., 100-oz. lots....oz.13.25 - —
Hydrochloride, cns., 100-oz. lots.oz.11.75 - —
Phosphate, USP, cns., 100-oz. lots. oz.10.25 - —
Sulphate, USP, cns., 100-oz. lots.oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .22 - .25
Blue, bls.....lb. .17 - .18
Colchicine, USP, bots., cns.....oz.74.50 -77.50
Colchicum root, bls.....lb. .45 - .60
Seed, bgs.....lb. .80 - 1.10
Collodion, USP, dms.....lb. .32½- —
Flexible, USP, dms.....lb. .34 - —
Colocynth pulp, bls.....lb. .30 - .35
Colombo root, bls .....lb. .11 - .14
Coltsfoot leaves, bxs.....lb. .25 - .30
Condurango bark, bgs.....lb. .17 - .18
Copaiba balsam, cns., dms.....lb. 1.40 - 1.75
Copper acetate, bbls., c.l., works.lb. .34¾- —
l.c.l., works.....lb. .35¾- —
Carbonate, 55%, bgs., works....lb. .22 - .23¼
Chloride, anhyd., bbls., works..lb. .34½- —
crystals, bbls., works.....lb. .32¾- —
Citrate, USP, 5-lb. bots.....lb. 2.40 - —
Cyanide, tech., bbls., over 1,000 lbs..lb. .613 - —
under 1,000 lbs.....lb. .633 - —
Gluconate, cns., dms.....lb. 3.00 - 3.24
Hydrate, dms., frt. alld. E. Miss. lb. .36 - .36¼
Metal, electrolytic.....lb. .24½- .27¼
Naphthenate, liquid, 8% Cu, dms., frt. alld..lb. .22¾- —
Nitrate, tech., cryst., bbls., works. lb. .25¼- —
Oleate, solid, 9% Cu., dms., works. lb. .45 - —
Oxide, black, bbls., works.....lb. .39 - .40
red, com'l, bbls., c.l., works.lb. .43¼- —
l.c.l., works.....lb. .43¾- —
Oxychloride-sulphate, bgs., frt. alld..lb. .24¼ Nom.
Quinolinalate, fib. dms.....lb. 4.25 - 4.50
Resinate, precip., dms., frt. alld. lb. .27½- —
Stearate, ton lots, works.....lb. .38½- .39¼
less ton lots, works.....lb. .40½- —
Sulphate, cryst., 99%, bgs., c.l., works..100 lbs. 8.95 - 9.95
l.c.l. .....100 lbs. 9.20 -10.95
CP, cryst., gran., bbls., works.lb. .1615- —
monohydrated, 25%, dms., c.l., works..100 lbs.14.95 -15.50
tribasic, dealers, bgs., c.l., works, frt. alld..100 lbs.25.60 - —
l.c.l., works.....100 lbs.27.10 - —
USP, gran., cryst., dms.....lb. .1615- .3500
Undecylenate, dms. .....lb. 2.90 - 3.00
Copperas, gran., bgs., c.l., works.. ton.28.50 - —
l.c.l., dlvd. Metro area..100 lbs. 3.00 - —
bbls., c.l., works.....ton.34.00 - —
bulk, c.l., works.....ton.21.00 - —
Copra, c.i.f. Atlantic, Gulf ports.. ton.130.00 Nom.
Pacific ports .....ton.125.00 Nom.
Coriander seed, Argentine, hgs...lb. .08½- .09
Czech, bgs.....lb. .07 - .07¼
Moroccan, hgs .....lb. .06 - .06½
new crop, June-July steamer, bgs..lb. .05½- .06
Corn sugar tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 7.45 - —
Syrup, 42°, dms., c.l.....100 lbs. 7.47 - —
l.c.l. .....100 lbs. 7.62 - —

REICHHOLD



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Cornsilk, bls lb. .12 - .14
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 3.68 - —
gran. powd., dms., 50 lbs. or more lb. 3.53 - —
Cottonroot bark, bls lb. .26 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1 75 - —
Meal, 41% protein, sacked, Memphis ton.85 00 —
Coumarin, cryst., NF, cns lb. 2.94 - 3.15
powd., cans lb. 3.20 - 3.25
Cramp bark, NF, bls lb. .80 - .90
Cranesbill root, bls lb. .55 - .60
Cream of tartar, NF, dom., gran. or powd., bbls., 5,000 lbs. one shipment lb. .39½ -
smaller lots, bbls., kgs lb. .40 - .43
imported, kgs lb. .31 - .32
Cresote carbonate, NF, bots., cbys. lb. 2.80 - 2.90
Coaltar, crude, tanks, works, frt. adjusted gal. .20 -
solution, 80%, tanks, works, gal. .188 -
refined, dms., c.l., works gal. .35 -
l.c.l., same basis gal. .41 -
tanks, same basis gal. .27 -
Wood, beechwood, cbys., dms lb. 1.35 - 1.40
hardwood, bots., cbys lb. 1.05 - 1.10
pinewood, dms gal. .31 - .32
Cresol, tech., dry, above 207° C, non-rec., dms., c.l., frt. equald. lb. .153 -
l.c.l., same basis lb. .161 -
ret. dms., c.l., same basis. lb. .155 -
l.c.l., same basis lb. .16 -
tanks, same basis lb. .145 -
USP, non-ret. dms., c.l., same basis lb. .168 -
l.c.l. same basis lb. .171 -
ret. dms., c.l., same basis lb. .16½ -
l.c.l., same basis lb. .17 -
tanks, same basis lb. .155 -
Crotonaldehyde, 91-93%, l.c.l., works lb. .24¼ - .25
Cryolite, nat., industrial, bgs., c.l., works 100 lbs. 10.50 —
l.c.l., works 100 lbs. 11.25 - 11.50
Insecticide, dealers, bgs., c.l., dlvd. 100 lbs. 15.25 -
l.c.l., dlvd. 100 lbs. 16.25 -
Cubs root, powd., 5% rotenone, bgs., works lb. .22 - .25
Cubeb berries, XX NF, bgs lb. .48 - .52
powd., cs lb. .55 - .60
Culvers root, bbls lb. .65 - .75
Cumene, dms., c.l., works lb. .12 -
l.c.l., works lb. .14 -
tanks, works lb. .11 -
Cumin seed, Indian, bgs lb. .17 - .17½
Iranian, bgs lb. .17 - .17¼
Moroccan, bgs lb. .18 - .18½
Syrian, bgs lb. .17¼ - .17½
Cutch extract 55% tannin bgs. ex dock, duty extra lb. .08¼ -
Cyanamide, fertilizer mixing grades, 20.6% N, gran. bgs., Niagara Falls, Ont., contract ton.62.50 -
pulv., 21% N, bgs., works unit ton. 2.90 -
Cyclohexane, tech., 95%, dms., c.l., dlvd. lb. .11 -
l.c.l., dlvd. lb. .11¾ -
tanks, dlvd. lb. .09¼ -
Cyclohexanol, tech., dms., c.l., works lb. .37¾ -
l.c.l., works .33¼ -
tanks works lb. .36¼ -
Cyclohexanone, tech., dms., c.l., lb. .26½ - .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine dms., c.l., works, lb. .41½ -
l.c.l., works lb. .42½ -
tanks, works lb. .40 -
Cyclopropane CP 2 lb. cyls., works, cyl.48.00 -
6 oz. cyls., works cyl.12.00 -
USP, hospitals, cyls., 40 gal. lots, gal. .33 -
100-gal. lots gal. .37 -
200-gal. lots gal. .36 -

D

2 4-D bbls., c.l. works frt. equald. lb. .61 -
l.c.l., same basis lb. .67 -
2,4-D isopropyl ester, dms., c.l., works lb. .67 -
l.c.l., works lb. .72 - .74
Damiana leaves, bls lb. .28 - .30
Dandelion root, bls lb. .45 - .50
DDD, tech., fine grd. fib. dms., c.l., works lb. .60 -
l.c.l., works lb. .61 -
DDT, fiber dms., c.l., works, frt. equald lb. .40 Nom.
smaller lots, same basis lb. .50 - .53
Decanol, normal, tech., dms., c.l., dlvd lb. .419 -
l.c.l., dlvd lb. .439 -
tanks, dlvd lb. .394 -
Deertongue leaves, bls lb. .42 - .43
Defluorinated phosphate, 13% P, paper bgs., works ton.49.23 -
18½% P, paper bgs., works ton.62.75 -63.75
Rock, 14½% P, paper bgs., works ton.50.00 -
Degras, common, bbls lb. .11 - .12
crude, centrifugal, bbls lb. .18 - .20
neutral, less 2% ffa, bbls lb. .30½ -
over 2% ffa., bbls lb. .30 -
Derris root, 5% rotenone powd., bbls lb. .32 - .35
Desoxyephedrine hydrochloride, dextro, bots. lb.25.00 -
dextro-laevo, bots lb. 7.50 -
Dextrin, corn, gum, paper bgs., c.l., N.Y. 100 lbs. 9.10 -
l.c.l. 100 lbs. 9.25 -
canary, paper bgs., c.l. 100 lbs. 8.94 -
l.c.l. 100 lbs. 8.99 -
dark, paper bgs., c.l. 100 lbs. 8.94 -
l.c.l. 100 lbs. 9.09 -
white, paper bgs., c.l. 100 lbs. 8.68 -
l.c.l. 100 lbs. 8.83 -
Corn dextrin in cotton bgs. 25c. per 100 lbs. higher.
Potato, bgs lb. .10½ - .11
Dextrose, USP, dms lb. .17¾ -
Diacetone (see Alconol, diacetone).
Diacetyl, flavor grade, bots lb. 4.50 - 4.60
laboratory grade, bots. 100 grams. 4.50 -
tech., bots., works lb. 3.00 -
Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd. E lb. No prices.
l.c.l., dlvd. E lb. No prices.
tanks, dlvd. E lb. No prices.
Dianisidin, dms lb. 1.90 -
Diatomaceous earth, dom., bgs., c.l., Atlantic cost ton.52.00 -55.00
California ton.42.00 -45.00
l.c.l., ex whse ton.85.00 -90.00
purified, bgs., c.l., Atl. ton.65.00 -
California ton.53.00 -
l.c.l., ex whse ton.95.00 -100.00
Atlantic coast ton.95.00 -100.00
Mexican, white, bgs., c.l., Atlantic coast lb. .03 -
l.c.l., Atlantic coast lb. .06 -
Sebacate, CP, dms., c.l., works lb. .92 -
l.c.l., works lb. .93¾ -
tanks, works lb. .91 -
Dibutyl phthalate, dms., c.l., dlvd., E lb. .35¾ -
l.c.l., same basis lb. .36¾ -
tanks, same basis lb. .34 - .34½
Dibutyl sebacate, CP, dms., c.l., works lb. .92 -
l.c.l., works lb. .93 -
tanks, works lb. .90¼ -
tech., dms., c.l., works lb. .90 -
l.c.l., works lb. .91 -
tanks, works lb. .88¼ -
Tartarate, dms., works, frt. alld. lb. .79 -
Dibutylamine, dms., c.l., frt. alld. E. of Rockies lb. .54¾ -
l.c.l., same basis lb. .55¾ -
tanks, same basis lb. .53 -
Dicapryl phthalate, dms., c.l., dlvd. lb. .36¾ - .38¾
l.c.l., dlvd lb. .37 - .39¾
tanks, dlvd lb. .35 - .37
Sebacate, dms., c.l., works lb. .78½ -
l.c.l., works lb. .79½ -
tanks, works lb. .76¾ -
Dichloroanilin, dms., works lb. .75 - .83
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .05 -
l.c.l., works lb. .05¾ -
tanks, works lb. .04¼ -
Dicyclohexylamine, dms., c.l., works. lb. .46 -
l.c.l., works lb. .46¾ -
tanks, works lb. .44½ -
Dicyclohexylphthalate, fib dms., c.l., works lb. .60 -
l.c.l., same basis lb. .61 -
Dieldrin, dms., frt. alld lb. 2.60 -
l.c.l., frt. alld lb. 3.04 -
Diethanolamine, dms., c.l., dlvd. E. lb. .29¼ -
l.c.l., same basis lb. .30¼ -
tanks, same basis lb. .27½ -
Diethyl carbonate, dms., c.l., frt. alld lb. .46¾ -
l.c.l., same basis lb. .47¾ -
tanks, same basis lb. .45 -
Diethyl maleate, dms., c.l., dlvd. lb. .50 -
l.c.l., dlvd lb. .48¼ -
tanks, dlvd lb. .48½ -
Oxalate, dms., c.l., frt. alld lb. .41¾ -
l.c.l., same basis lb. .42¾ -
tanks, same basis lb. .40 -
Phthalate, dms., c.l., dlvd lb. .31¼ -
l.c.l., dlvd lb. .32¼ -
tanks, dlvd lb. .29½ -
Sulphate, dms., c.l., works lb. .18¾ -
l.c.l., works lb. .19¼ -
tanks, works lb. .17 -
Diethylamine, dms., c.l., dlvd. E. lb. .54½ -
l.c.l., same basis lb. .55½ -
tanks, same basis lb. .52½ -
Diethylanilin, dms lb. .48 -
Diethyleneglycol, dms., c.l., dlvd. E. lb. .20¼ -
l.c.l., same basis lb. .21¼ -
tanks, same basis lb. .18½ -
Boriborate, dms., l.c.l lb. .30½ -
Diethylether, dms., c.l., works lb. .46½ -
l.c.l., works lb. .47 -
Monobutylether, dms., c.l., works. lb. .28¾ -
l.c.l., works lb. .29¼ -
tanks, works lb. .27 -
Monobutylether acetate, dms., c.l., works lb. .30 -
l.c.l., works lb. .30½ -
Monoethylether, dms., c.l., works lb. .20¼ -
l.c.l., works lb. .20¾ -
tanks, works lb. .19 -
Monoethylether acetate, dms., c.l., works lb. .26¾ -
l.c.l., works lb. .27¼ -
Monomethylether, dms., c.l., works lb. .24¾ -
l.c.l., works lb. .25¼ -
tanks, works lb. .23½ -
Diethylenetriamine, dms., c.l., dlvd. E lb. .43 -
l.c.l., same basis lb. .44 -
tanks, same basis lb. .41½ -
Diethylethanolamine, dms., c.l., dlvd lb. .67½ -
l.c.l., same basis lb. .68½ -
tanks, same basis lb. .65¾ -
Diethylstilbestrol, USP, bots., 10-kilo lots kilo.115.00 -150.00
1 kilo lot kilo.135.00 -150.00
Digitalis leaves, USP, dom., dms. lb. 1.10 - 1.15
Digitoxin, USP, bots gram. 7.75 - 8.50
Diglycol laurate, dms lb. .32½ - .37
Oleate, dms lb. .32 -
Stearate, dms lb. .25 - .27
Dihexyl sebacate, dms., c.l., works. lb. .76½ -
l.c.l., works lb. .77½ -
tanks, works lb. .74¾ -
Dihydrazine sulphate, dms., works lb. 1.10 - 1.25
Dihydrostreptomycin hydrochloride and sulphate, bulk, 50 kilos or more gram. .324 -
unlabeled 1-gram vials, 1 to 500,000 vials vial. .384 -
5-gram vials, 1 to 500,000 vials vial. 1.408 -
Dihydroxydichlorodiphenylmethane, pure, dms lb. 2.80 - 3.00
tech., dms lb. 1.15 - 1.25
Di-isobutyl ketone dms., c.l., dlvd. lb. .17¾ -
l.c.l., dlvd. lb. .18¼ -
tanks, dlvd. lb. .16 -
Di-isobutylene, dms., c.l., works lb. .09¼ -
l.c.l., works lb. .10 -
tanks, works lb. .07½ -
Di-iso-octyl phthalate, dms., c.l., dlvd. lb. .38¾ -
l.c.l., same basis lb. .39¾ -
tanks, same basis lb. .37 -

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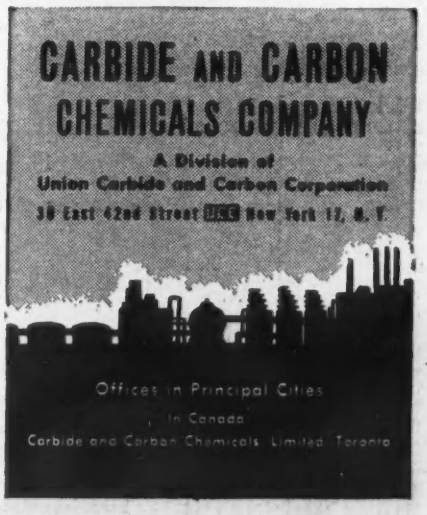
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Di-isopropylamine—Dyes, Coaltar, General Use

Di-isopropylamine, dms., c.l., dlvd. E of Rockies	lb.	.49¾-	—
t.c.l., same basis	lb.	.50¾-	—
tanks, same basis	lb.	.48 -	—
Dillseed, dewhiskered, bgs	lb.	.12½-	.13
Dimethyl anthranilate, cns	lb.	5.50 -	5.90
Chloroacetal, dms., c.l., works	lb.	.53 -	—
t.c.l., works	lb.	.55 -	—
tanks, works	lb.	.51 -	—
Hydroquinone, dms	lb.	2.25 -	2.75
Phthalate, dms., c.l., dlvd	lb.	.29¼-	.29¾
t.c.l., dlvd	lb.	.30¼-	.30¾
tanks, dlvd	lb.	.27½-	.28
Sebacate, dms., c.l., works	lb.	1.31¾-	—
t.c.l., works	lb.	1.32¾-	—
tanks, works	lb.	1.30 -	—
Sulphate, 55-gal. ret. dms., c.l., works	lb.	.15 -	—
t.c.l., works	lb.	.16 -	—
10-gal. ret dms., works	lb.	.16½-	—
Dimethylamine, 25-40%, dms., c.l., works, basis 100%	lb.	.37 -	.38
t.c.l., works, basis 100%	lb.	.37½-	.38½
tanks, works, basis, 100%	lb.	.33 -	—
Dimethylanilin, dms., c.l., frt. alld.	lb.	.26 -	—
t.c.l. frt. alld	lb.	.27 -	—
tanks, frt. allo	lb.	.25 -	—
Dimethylethanolamine, anhydrous, dms., c.l., dlvd	lb.	1.43 -	—
t.c.l., dlvd	lb.	1.45 -	—
tanks, dlvd.	lb.	1.40 -	—
Dimethylethanolamine 70%, dms., c.l., dlvd., basis 100%	lb.	.54 -	—
t.c.l., dlvd.	lb.	.55 -	—
tanks, dlvd.	lb.	.52¼-	—
Dimethylformamide, dms., any quantity, works	lb.	.45 -	—
tanks	lb.	.42 -	—
Dinitroanilin, dms., frt. equaid	lb.	.57 -	—
Dinitrobenzene, crude, dms	lb.	.20 -	—
purified, dms.	lb.	.22 -	—
Dinitrochlorobenzene, dms., c.l., frt. alld. E	lb.	.15¼-	—
t.c.l., frt. alld. E	lb.	.15¾-	—
tanks, frt. alld. E	lb.	.15 -	—
Dinitrophenol, bbls.	lb.	.34 -	—
Dinitrotoluene, oily, dms.	lb.	.10 -	—
refd., dms.	lb.	.21 -	—
Dioctyl adipate, dms., c.l., works	lb.	.44¾-	—
t.c.l., works	lb.	.45¾-	—
tanks, works	lb.	.43 -	—
Phthalate, dms., c.l., frt. alld.	lb.	.38¾-	.41¾
t.c.l., frt. alld.	lb.	.39¾-	.42¾
tanks, frt. allo	lb.	.37 -	.40
Diorthotolylguanidin, dms., ton lots, dlvd	lb.	.54 -	—
smaller lots, dlvd	lb.	.55 -	—
Dioxane, dms., c.l., works	lb.	.28¾-	—
t.c.l., same basis	lb.	.29¼-	—
tanks, same basis	lb.	.27 -	—
Dip oil (see Tar acid oil).			
Dipentaerythritol, bgs., c.l., works,	lb.	.34 -	—
t.c.l., works	lb.	.37 -	—
Dipentene, dest-dist., dms., extra, c.l., works	gal.	.49 -	—
t.c.l., works	gal.	.50 -	—
whse.	gal.	.68 -	—
steam-dist., dms., c.l., works, south	gal.	.60 -	—
t.c.l., works, South	gal.	.69 -	—
dlvd., N Y	lb.	.83 -	—
Diphenyl, bbls., c.l., works	lb.	.15 -	—
t.c.l., works	lb.	.16 -	.20
Oxide, perfume grade, cns	lb.	.54 -	.65
Phthalate, dms., c.l., works	lb.	.51¾-	—
t.c.l., same basis	lb.	.53¾-	—
Diphenylamine, refined, gran., bbls., c.l., works	lb.	.28 -	—
t.c.l., works	lb.	.30 -	—
tankcars, works	lb.	.25 -	—
tech., tankcars, works	lb.	.24 -	—
Diphenylguanidin, dms., ton lots	lb.	.44½-	—
smaller lots	lb.	.45½-	—
Diphenylhydantoin-sodium, USP, dms.	lb.	5.30 -	5.60
Dipropyleneglycol, dms., c.l., frt. alld	lb.	.16¾-	.17
t.c.l., same basis	lb.	.17¾-	.18
tanks, same basis	lb.	.15 -	—
Methylether, dms. c.l., frt. equald.	lb.	.19¾-	—
t.c.l., same basis	lb.	.20¾-	—
tanks, same basis	lb.	.18¼-	—
Di-secondary-amylphenol, dms., c.l., works	lb.	.30¼-	—
t.c.l., works	lb.	.33¼-	—
tanks, works	lb.	.28¼-	—
Di-tertiary-amylphenol, dms., c.l., works	lb.	.30¼-	—
t.c.l., works	lb.	.33¼-	—
tanks, works	lb.	.28¼-	—
Di-tertiary-butylmetacresol, dms., c.l., works	lb.	.31 -	—
t.c.l., works	lb.	.32 -	—
tanks, works	lb.	.30 -	—
Di-tertiary butylparacresol, dms., c.l., works	lb.	.91 -	—
t.c.l., works	lb.	.95 -	—
Divi-divi, 45% tannin bgs., bls., c.l., U.S. ports, exdock	ton.	70.00	-72.00
Divinylbenzene 20-25%, dms., c.l., works	lb.	.20 -	—
t.c.l., works	lb.	.21 -	—
tanks, works	lb.	.19 -	—
40-50%, basis 100%, dms., c.l., works	lb.	1.17 -	—
t.c.l., works	lb.	1.27 -	—
Dodecylbenzene, dms., c.l., works	lb.	.16 -	—
t.c.l., works	lb.	.17 -	—
tanks, works	lb.	.13½-	—

Dograss root, dom., cut, bls	lb.	.26 -	.28
imp., cut, bls	lb.	.28 -	.35
Dogwood bark, Jamaica, bls	lb.	.11 -	.13
Dragon's blood, mass, cs	lb.	1.25 -	1.30
reeds, cs.	lb.	1.40 -	1.45
Dyes, coaltar, certified colors for food drugs and cosmetics, 5-lb and 1-lb. lots dlvd:—			
Blue, FD&C, No. 1, cns	lb.	17.00	-17.60
No. 2, cns	lb.	17.00	-17.60
Green, FD&C, No. 1, cns	lb.	17.00	-17.60
No. 2, cns	lb.	22.20	-22.85
No. 3, cns	lb.	35.25	-35.90
Orange, FD&C, No. 1, cns	lb.	3.65 -	3.75
No. 2, cns	lb.	4.65 -	4.75
Red, FD&C, No. 2, cns	lb.	7.55 -	7.85
No. 2, cns	lb.	4.00 -	4.10
No. 3, cns	lb.	22.20	-22.85
No. 4, cns	lb.	7.20 -	7.50
No. 32, cns	lb.	5.30 -	5.40
Violet, FD&C, No. 1, cns	lb.	17.00	-17.60
Yellow, FD&C, No. 1, cns	lb.	10.50	-11.05
No. 3, cns	lb.	3.30 -	3.40
No. 4, cns	lb.	3.30 -	3.40
No. 5, cns	lb.	4.00 -	4.10
No. 6, cns	lb.	4.00 -	4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb lots, dlvd.:—			
Black, D&C, No. 1, cns	lb.	10.95	—
Blue, D&C, No. 4, cns	lb.	13.55	—
Brown, D&C, No. 1, cns	lb.	16.10	—
Green, D&C, No. 5, cns	lb.	16.10	—
No. 6, cns	lb.	16.10	—
No 7, cns	lb.	14.80	—
Orange, D&C, No. 3, cns	lb.	10.95	—
No. 4, cns	lb.	20.05	—
No. 5, cns	lb.	5.70	—
No. 10, cns	lb.	20.70	—
Red, DNC, No. 8, cns	lb.	3.75	—
No. 9, cns	lb.	3.75	—
No. 10, cns	lb.	3.00	—
No 11, cns	lb.	2.25	—
No. 12, cns	lb.	3.00	—
No. 17, cns	lb.	10.95	—
No. 18, cns	lb.	24.00	—
No. 19, cns	lb.	20.05	—
No. 21, cns	lb.	4.70	—
No. 22, cns	lb.	10.95	—
No. 28, cns	lb.	24.65	—
No. 33 cns	lb.	17.45	—
Violet, D&C, No. 2, cns	lb.	16.10	—
Yellow, D&C No. 7, cns	lb.	10.95	—
No. 8 cns	lb.	10.95	—
No. 10 cns	lb.	13.50	—
No. 11. cns	lb.	13.50	—
Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots dlvd:—			
Blue, Ext., D&C, No. 1, cns	lb.	16.10	—
Green, Ext., D&C, No. 1, cns	lb.	16.10	—
Red, Ext. D&C, No 1, cns	lb.	13.50	—
Yellow, Ext. D&C, No. 1, cns	lb.	10.95	—
20 Orange AD	lb.	.64	—
27 Fast light orange 2G	lb.	.78	—
Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).			
31 Phloxine 2G	lb.	.64	—
36 Alizarine yellow 2G	lb.	.83	—
40 Orange B extra, conc	lb.	1.06	—
57 Fuchsine 6B	lb.	.57	—
79 Scarlet 2R	lb.	.74	—
151 Orange Y	lb.	.47	—
161 Orange RR	lb.	.55	—
176 Fast red A, conc	lb.	.90	—
179 Azo rubine XX, conc	lb.	1.04	—
180 Blue F4B	lb.	.92	—
185 Brilliant scarlet 3RN, conc.	lb.	.93	—
202 Chrome blue black, conc	lb.	.68	—
203 Chrome black T	lb.	.71	—
208 Fast blue SR	lb.	.91	—
216 Chrome red B	lb.	.74	—
234 Resorcin brown	lb.	.89	—
246 Blue black, extra, conc	lb.	.86	—
275 Milling red 3R, conc	lb.	2.03	—
289 Navy blue 3R, conc., 125%	lb.	1.09	—
299 Black B, conc	lb.	1.40	—
304 Neutral black 2B, conc., 200%	lb.	2.01	—
326 Fast scarlet 4BNC	lb.	1.64	—
332 Bismarck brown RX, conc.	lb.	.88	—
365 Brilliant yellow, conc	lb.	2.34	—
382 Scarlet B	lb.	1.65	—
401 Diazo black, BHD	lb.	.63	—
406 Blue 2B, extra, conc	lb.	1.07	—
419 Diamine fast red FC	lb.	1.12	—
420 Diamine brown M	lb.	.90	—
448 Benzo purpurine 4B, conc.	lb.	1.18	—
518 Diamine sky blue FF, extra, conc., 150%	lb.	2.25	—
561 Trisulphon brown BCW, conc	lb.	2.03	—
581 Direct black E, double	lb.	.89	—
583 Diamine green BXN, conc. 150%	lb.	.97	—
598 Congo brown GG, conc. 150%	lb.	1.46	—
620 Stilbene yellow G, conc	lb.	.92	—
639 Xylene light yellow GX	lb.	1.79	—
640 Tartrazine, conc	lb.	1.46	—
655 Auramine, conc	lb.	1.85	—
667 Victoria green sml. cryst.	lb.	2.10	—
662 Brilliant green cryst	lb.	2.79	—
667 Brilliant milling green B, conc	lb.	3.68	—
671 Brilliant Blue E	lb.	1.73	—
680 Methyl violet S, conc	lb.	1.10	—
681 Crystal violet powder	lb.	2.15	—
698 Formyl violet S4B	lb.	1.50	—
720 Chrome azure blue BR, conc. 200%	lb.	3.75	—
729 Victoria blue B, conc	lb.	2.79	—
739 Green SN, extra	lb.	2.41	—
749 Rhodamine B, extra	lb.	4.33	—
814 Fast yellow NNL, conc. 175%	lb.	3.11	—
841 Safranine T, extra, conc., 125%	lb.	2.90	—
865 Nigrosine WSJ	lb.	.68	—
922 Methylene blue ZX	lb.	1.55	—
969 Sulphanthrene blue GR paste,	lb.	.76	—
978 Sulphogene carbon HCF grains	lb.	.32	—
1034 Alizarin red S, conc	lb.	2.59	—
1054 Anthraquinone blue B	lb.	2.91	—
1079 Anthraquinone green G	lb.	2.72	—
1085 Alizarin blue black B	lb.	2.33	—
1096 Indanthrene golden orange G, single paste	lb.	2.00	—
double paste	lb.	4.00	—
1099 Indanthrene dark blue BO, single paste	lb.	1.75	—
1101 Brilliant green B, double paste	lb.	2.36	—
1106 Indanthrene blue RS, double paste	lb.	2.57	—
1113 Indanthrene blue GCD, double paste	lb.	1.75	—
1150 Indanthrene olive R, single paste	lb.	1.10	—
1151 Indanthrene brown R, single paste	lb.	1.68	—
double paste	lb.	3.35	—
1212 Sulphanthrene red violet 2RN, single paste	lb.	1.62	—
1217 Sulphanthrene orange R, single, paste	lb.	1.65	—
p-4 Acid anthracene brown PGN,	lb.	2.31	—
p-14 Anthracene chromate brown EBN	lb.	1.31	—
p-24 Benzo fast black L, conc., 150%	lb.	2.18	—
p-80 Diazo brilliant scarlet ROA	lb.	2.79	—
p-202 Zambesi black V	lb.	1.06	—
p-313 Naphthol AS-SW	lb.	2.42	—
p-244 Celliton scarlet B	lb.	1.31	—

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Ethylene Dichloride
Diethylene Glycol
Monoethanolamine
Diethanolamine
Triethanolamine

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.
Black blue No. 550 lb. .81 - —
Jet, No. 551 lb. .89 - —
Brown R, conc. lb. 1.72 - —
Orange R, brilliant lb. .90 - —
Red 4 B, conc. lb. 1.37 - —
Yellow C lb. 1.18 - —
FN, conc. lb. 1.22 - —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms. sellers' works:—
Auramine, O lb. 1.85 - —
Black, basic blue lb. 1.21 - —
Jet lb. 1.21 - —
Blue, methylene, 2 B, conc. lb. 1.55 - —
Brown, Bismarck, R, conc. lb. .86 - —
Chrysodine, R, extra lb. .60 - —
Y extra lb. .64 - —
Fuchsine, conc lb. 3.05 - —
Green, malachite, conc lb. 2.10 - —
Rhodamine B lb. 4.33 - —
Safranine, Y, conc lb. 2.90 - —
Violet, methyl B lb. 1.10 - —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works:
Azo rubine R, extra, conc lb. 1.04 - —
Black, acid blue, B, extra lb. .86 - —
Orange Acid, Y, conc lb. .47 - —
Scarlet croceine, MOO lb. 1.45 - —
Yellow azo-, conc lb. .90 - —
Fast light, 9 G, extra lb. 2.04 - —
Methanil, conc lb. .91 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls lb. .90 Nom.
Egg albumen (see Albumen).
Yolk, dried, dom., bbls lb. 1.04 - 1.06
Chinese, spot, bbls., duty paid lb. No stocks.
tanners bbls lb. .06 - .06½
Elder flowers, bright, bls lb. .30 - .40
Elecampane root bls lb. .21 - .25
Elm bark, grinding, bls lb. .28 - .29
powd., bbls., bxs lb. .46 - .47
select, bundles lb. .60 - .61
Emetine hydrochloride, USP, bots., oz. 38.75 -42.85
Ephedrine synthetic, USP, anhydrous bots., 100-oz. lots oz. .98 - 1.00
hydrous, bots., 100-oz. lots oz. .92 - —
Hydrochloride, tin, 100-oz. lots oz. .75 - —
Sulphate cryst., tins, 100-oz. lots oz. .72 - —
powd., tins, 100-oz. lots oz. .73 - —
Epichlorohydrin, dms., c.l., works lb. .38¾ - —
l.c.l., works lb. .39½ - —
tanks, works lb. .37 - —
Epinephrine, synth., USP, bots., 100 grams gram. .43 - .53
Epsom salt, tech., bgs., c.l., works, 100 lbs. 2.15 - —
l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Ergosterol, unirradiated, cryst. kilo 150.00 - —
Ergot, NF, dms., tin-lined lb. 4.50 - 4.75
Eserine, bots oz. 45.00 -50.00
Salicylate USP bots oz. 32.50 -34.00
Sulphate, bots oz. 34.50 -35.50
Ether acetate (see Ethyl acetate).
Butyl, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½ - —
tanks, works lb. .23½ - —
Butyric (see Ethyl butyrate).
Dichloroethyl, refd., dms., c.l., frt. alld. E lb. .14 - .14½
l.c.l., same basis lb. .15½ - .16
tanks, same basis lb. .13 - —
technical, dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½ - —
tanks, works lb. .12 - —
Ethyl, absolute, ACS, dms lb. .37 - —
anesthesia, USP, hospitals, 1-lb. cns lb. .89 - —
½-lb cns lb. .97 - —
¼-lb cns lb. 1.03 - —
solvent, USP, dms., c.l., dlvd. lb. .15¾ - —
l.c.l., same basis lb. .16¾ - —
tanks, same basis lb. .13¾ - —
synthetic, dms., c.l., dlvd. E lb. .1375 - —
l.c.l., same basis lb. .1675 - —
tanks, same basis lb. .1375 - —
Isopropyl, dms., c.l., dlvd lb. .0675- .0856
l.c.l., dlvd. lb. .0750- .0936
tanks, dlvd lb. .05 - .07½
Nitrous, conc., bots., 100-lb. lots lb. 1.23 - 1.33
Vinyl, USP, anesthesia, bots., 50 cc. hospitals bot. 1.12 - —
75 cc. hospitals bot. 1.56 - —
Ethyl acetate, natural, fermentation 85-88%, dms., c.l., frt. alld. lb. .12¾- .21¾
l.c.l., frt. alld lb. .13¼- .22¾
tanks, frt. alld lb. .11 - .20
95-98%, dms., c.l., frt. alld. lb. .13 - .22
l.c.l., frt. alld lb. .13¾- .23
tanks, frt. alld lb. .11¼- .20¼
99%, dms., c.l., frt. alld lb. .13¼- .22¼
l.c.l., frt. alld lb. .14 - .23¼
tanks, frt alld lb. .11½- .20½
NF, dms., frt. alld lb. .24 - .25
synthetic, 85-90%, dms., c.l., frt. alld lb. .12¾- —
l.c.l., frt. alld lb. .13½- —
tanks, frt. alld lb. .11 - —
95-98%, dms., c.l., frt. alld lb. .13 - —
l.c.l., frt. alld lb. .13¾- —
tanks, frt. alld lb. .11¼- —
99%, dms., c.l., frt. alld lb. .13¼- —
l.c.l., frt. alld lb. .14 - —
tanks, frt. alld lb. .11½- —
Acetoacetate, dms., c.l., dlvd. lb. .55 - —
l.c.l., dlvd lb. .56½- —
Acrylate, dms., c.l., and truckload, dlvd lb. .49 - —
less than truckload, dlvd lb. .49½- —
tanks, dlvd lb. .45 - —
Aminobenzate, USP (see Benzocaine).
Benzoate, cns., dms lb. .74 - .79
Bromide, tech., 98%, dms lb. .43 - .47
Butyrate, bots gal. 5.10 - 6.60
cns., dms., works lb. .80 - 1.02
Carbamate (see Urethane).
Chloride, tech., dms., c.l., works, lb. .18 - .20
cyls., c.l., same basis lb. .20 - .22
tanks, same basis lb. .10 - —
USP bbls., cyls lb. .22 - .24
Cinnamate, cns lb. 2.28 - 2.53
Formate, dms lb. .60 - —
Gallate, dms., 100 lb. to 2,000 lb. lots, works lb. 3.90 - 4.40
Iodide, bots., works lb. 4.13 - —
cbys., works lb. 3.50 - —
Lactate, dms., works lb. .47½- —
Methacrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload, works lb. .50½- —
Nitrite (see Ether nitrous).
Oenanthate, dms. lb. 1.00 - 1.50
Oleate, dms., t.c.l., works lb. No prices.
Oxalate (see Diethyl oxalate).
Silicate, dist. (see Tetraethyl orthosilicate), 40% available SiO, dms., works lb. .60½- —
Ethylalphanaphthylamine (see Monoethylalphanaphthylamine).
Ethylaniline (see Monoethylaniline).
Ethylbenzene, dms., c.l. lb. .14 - —
t.c.l. lb. .15 - —
tanks lb. .13 - —
Ethylbutyl ketone, dms., c.l., works, lb. .33½- —
l.c.l., works lb. .34 - —
tanks lb. .32 - —
Ethylcellulose, vis. 7 cps., bgs., 5,000 lbs. or more, works lb. .70 - —
smaller lots, works lb. .72 - .80
vis. 10, 20, 50, 100, 150 cps., bgs., 5,000 lbs. or more, works lb. .63 - —
smaller lots lb. .67 - .75
Ethylene dichloride, dms., c.l., dlvd. E lb. .11¾- —
l.c.l., same basis lb. .12¾- —
tanks, same basis lb. .10 - —
Ethylene dichloride prices W. of Rockies, 1c per lb. higher.
Oxide, cyls., c.l., works lb. .26 - —
l.c.l., works lb. .27 - —
tanks, dlvd. E lb. .19 - —
Trichloride (see Trichloroethane).
Ethylenediamine, 76%, dms., c.l., dlvd lb. .49 - —
l.c.l., dlvd lb. .50 - —
tanks, dlvd. lb. .47 - —
Ethyleneglycol, dms., c.l., frt. alld. E lb. .18¾- —
l.c.l., same basis lb. .19¾- —
tanks, same basis lb. .17 - —
Monobutylether, dms., c.l., works, lb. .23¾- —
l.c.l., works lb. .24¼- —
tanks, works lb. .22 - —
Monoethylether, dms., c.l., works, lb. .20¼- —
l.c.l., works lb. .20¾- —
tanks, works lb. .19 - —

Dyes, Coaltar, for Stains—Fluorspar, Metallurgical, Washed Gravel, 59-60%

Ethyleneglycol monoethylether acetate, dms., c.l., works lb. .19¾- —
l.c.l., works lb. .20¼- —
tanks, works lb. .18 - —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l., works lb. .22½- —
tanks, works lb. .21 - —
Monomethylether acetate, dms., c.l., works lb. .23¾- —
l.c.l., works lb. .29¼- —
tanks, works lb. .27 - —
Monostearate, dms lb. .35 - .42½
Ethylethanolamines, mixed, dms., c.l., frt alld., E. bliss lb. .42 - —
l.c.l., same basis lb. .43 - —
tanks, same basis lb. .40 - —
Ethylmorphine hydrochloride, USP, bots oz. 11.85 - —
Ethylorthotoluidine (see Monoethylorthotoluidin).
Ethylvanillin, cns., 25 lbs lb. 6.75 - 7.30
smaller lots lb. 7.35 - 7.40
Eucalyptol, USP, cns., dms lb. 2.05 - 2.30
Eucalyptus leaves, bls lb. .10 - .11
Eugenol, pure, USP, bots lb. 2.90 - 3.45
Euphorbia, herb, bls lb. .12 - .14

F

Feldspar, enamel, 100 mesh, bgs., works ton. 20.00 -22.00
Glass, 20 mesh, bulk, tons, works ton. 11.75 -12.50
Pottery, bgs., ton lots, works ton. 20.00 -22.00
bulk, c.l., works ton. 18.00 -20.00
Fennel seed, Czech, dark, bgs lb. .20 Nom.
light, bgs lb. No stocks.
French, bgs., futures lb. .23 - —
Indian, bgs lb. No prices.
Syrian, light, bgs lb. .24 Nom.
Fenugreek seed, Indian, bgs lb. No prices.
Moroccan, bgs lb. .05¼- —
Tunisian, bgs lb. .05¼- —
Ferric-ammonium citrate (see Iron ammonium citrate).
Ferric cacodylate (see Iron cacodylate).
Ferric glycerophospnate (see Iron-glycerophosphate).
Ferric hypophosphite (see Iron hypophosphite).
Ferric sulphate (see Iron sulphate-ferric).
Ferrous gluconate, NF, dms lb. .88 - .97
Film scrap, colored, cs., works lb. .15 - —
water-white, cs., works lb .20 - —
Fir balsam, Canada, cns gal. 34.00 -35.00
Oregon, bbls gal. 2.35 - 3.25
Fishberries, bgs lb. .17 - .21
Fishliver oil (see Oil, fishliver).
Fishmeal ground, domestic, 60% protein, bgs., Balto area ton. 135.00 - —
Fishscrap, dried 60% protein, bulk, Balto area ton. 130.00 - —
Fluorspar, acid grade, bulk, c.l., mine ton 60.00 - —
ceramic grade, 95-98% CaF_2, grd., bulk, mine, c.l ton 47.60 Nom.
85% CaF_2, grd., bulk, mine ton. 41.50 Nom.
metallurgical grade, foundry, lump, 55-60% effective CaF_2, bulk, mine, c.l., ton. 38.00 Nom.
washed gravel, 59-60% effective CaF_2, bulk, mine, c.l. ton. 38.00 Nom.

The First Ester

in the Celanese* Series of Industrial Solvents

n-Propyl Acetate

LOW COST REPLACEMENT FOR BUTYL ACETATE-ETHYL ACETATE COMBINATIONS, MIBK, IN NITROCELLULOSE FORMULATIONS

Celanese industrial solvents are helping many formulators to cut their production costs. Now Celanese has extended these low-cost advantages into the ester field with the production of n-propyl acetate, the first of this new group to be made available in volume quantities.

n-propyl acetate is proving itself to be a highly efficient and economical replacement for MIBK, butyl acetate-ethyl acetate combinations and secondary butyl acetate, in nitrocellulose lacquers. It is a medium boiling, low viscosity solvent in 90-92% concentration, with a pleasant odor and excellent blush resistance.

Why not call in a Celanese representative to study your special solvent requirements? He may be able to show you how n-propyl acetate or another of the Celanese solvents can give you the performance and production economy you must have. Write for your copy of technical bulletin N-29 and samples of any of these solvents for evaluation purposes. Celanese Corporation of America, Chemical Division, Dept. 656-G, 180 Madison Avenue, New York 16, N. Y.

Celanese Specifications n-Propyl Acetate

Color APHA† 15
Spec. Grav. @ 20/20° C 0.880–0.885
Boil. Range °C 95–103
Ester Content % 90–92

†American Public Health Association

SOLVENTS BY CELANESE

Solvent 203	Acetone
Solvent 301	Methanol
Solvent 601	n-Propyl Acetate
Solvent 901	Butyl Alcohols

Celanese® CHEMICALS

*Reg. U. S. Pat. Off.

Fluorspar, Metallurgical, Washed Gravel, 60-65%—Gum, Gamboge

Fluorspar, metallurgical, washed, gravel, 60-65% effective CaF_2, bulk, mine, ton 39.00 - —
65-70% effective CaF_2, bulk, mine, c.l. ton 40.00 Nom.
70% or better effective CaF_2, bulk, mine, c.l. ton 41.00 - —
imported, bulk, ex dock, New York ton 37 00 Nom.

Formaldehyde, NF (inhibited), dms., c.l., E. works lb. .0625- .0660
l.c.l., E. works lb. .0675- .0710
tanks, E. works lb. .0420- .0433
methanol-free (uninhibited), tanks, works lb. .0395- .0411

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard as well as W of Rockies, prices f.o.b. Texas plants, are .0270 for inhibited and .0245 for uninhibited.

Fleaseed (see Psyllium seed).
Fringetree bark, bls lb. .60 - .61
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga., mines ton 38.50 - —
Illinois mines ton 37.20 - —
spent, bulk, Bayonne ton. 2.00 - 4.00
imported, bgs., c.l. ton 30.00 -40.00
Furfural, tech., dms., c.l., works lb. .13 - —
l.c.l., works lb. .15 - —
tanks, works lb. .108 - —
Fusel oil, refined, dms., c.l., dlvd lb. .17¼ - —
l.c.l., dlvd lb. .18¼ - —
tanks, dlvd lb. .15½ - —

Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .47½- —
No. 2, bbls., l.c.l. lb. .45½- —
No. 3, bbls., l.c.l. lb. .43½- —
liquid, No. 1, bbls., l.c.l. lb. .22½- —
No. 2, bbls., l.c.l. lb. .21½- —
No. 3, bbls., l.c.l lb. .19 - —
solid, No. 1, bxs., l.c.l lb. .43 - —

G

G salt, bbls., frt. alld lb. .73 - —
Galangal root, bls lb. .18 - .25
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane tanks gal. .1075- —
N. Y. Harbor, 86 octane, tanks gal. .1285- .136
Group 3, 82 octane, tanks gal. .10375- .107
Gulf coast, 82 octane, tanks gal. .105 - .11
Pennsylvania, western U. S. motor, 86 octane, tanks gal. .1275- .13
natural, 26-70 octane, group 3, tanks gal. .06875- —
Gelatin, silver label, imported, cs. lb. 1.25 - —
Gelsemium root, bls lb. .25 - .26
Gentian root, bls lb. .17 - .18
grd., bbls., bxs lb. .22 - .23
powd., bbls., bxs lb. .23 - .24
Geraniol, extra, cns., dms lb. 1.65 - 1.90
standard, cns., dms lb. .75 - 1.50
Geranyl acetate, cns lb. 1.65 - 1.90
Ginger oleoresin, NF, from African root, bots. lb. 4.50 - 7.75
from Jamaican root, bls. lb. 7.50 -12.75
root, African, bls lb. .14½- .15
Cochin, unbleached, bgs lb. .19 - .20
futures, steamer, bgs. lb. .20 Nom.
Jamaica, No. 1, bgs., July shipment lb. .25 - —
No. 2, bgs lb. .20 - —
No. 3, bgs lb. .19 - —
Rhattoon, bgs. lb. .18 - —
Nigerian, split, bgs lb. .12 - 13½
June shipment lb. .11 - .11½
Ginseng root, cs lb. 13.00 -16.00
Glauber's salt, anhyd (see Sodium sulphate).
cryst., bgs. c.l., works, frt. alld. ton 45.00 - —
l.c.l., works ton 50.00 - —
Glue, bone, extracted 66 jellygrams, bgs., c.l., dlvd. lb. .24½- —
86 jellygrams, same basis lb. .25 - —
104 jellygrams, same basis lb. .25½- —
131 jellygrams, same basis lb. .26 - —
164 jellygrams, same basis lb. .26½- —
191 jellygrams, same basis lb. .27 - —
222 jellygrams, same basis lb. .28 - —
packers', 40 jellygrams, bgs., c.l., dlvd lb .21½- —
65 jellygrams, same basis lb. .22½- —
86 jellygrams, same basis lb. .23 - —
115 jellygrams, same basis lb. .24 - —
135 jellygrams, same basis lb. .25 - —
164 jellygrams, same basis lb. .26 - —
185 jellygrams, same basis lb. .27 - —
renderers', 110 jellygrams, bgs., c.l., dlvd lb. .22 - —

Bone glue, l.c.l. prices 1c. higher.

Glue, hide, 70-94 jellygrams, bgs., c.l., dlvd. lb. .26 - —
95-121, bgs., c.l., dlvd lb. .27½- .28
122-149, bgs., c.l., dlvd lb. .29 - .29½
150-177, bgs., c.l., dlvd lb. .30 - .31
178-206, bgs., c.l., dlvd lb. .31 - .32
207-236, bgs., c.l., dlvd lb. .32 - .33
237-266, bgs., c.l., dlvd lb. .33 - .34
267-296, bgs., c.l., dlvd lb. .34 - .35
299-330, bgs., c.l., dlvd lb. .35 - .36
331-362, bgs., c.l., dlvd lb. .36 - .37
363-394, bgs., c.l., dlvd lb. .37 - .38
395-427, bgs., c.l., dlvd lb. .38 - .39
428-460, bgs., c.l., dlvd lb. .40 - .41
461-494, bgs., c.l., dlvd lb. .41 - .43
495-529, bgs., c.l., dlvd lb. .42 - .45

Hide glue l.c.l. prices 1c. higher than c.l.

Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd lb. .24 Nom.
soaplye, 80%, tanks, dlvd lb. .22 Nom.
dynamite, dms., c.l., dlvd lb. .33¾- —
l.c.l., dlvd. lb. .34¼- —
tanks, dlvd lb. .33¼- —
high gravity, dms., c.l., dlvd lb. .34 - —
l.c.l., dlvd. lb. .34½- —
tanks, dlvd. lb. .33½- —
refined, BP, 98%, dms., c.l., dlvd. lb. .35⅝- —
l.c.l., dlvd. lb. .36⅛- —
tanks, dlvd. lb. .35⅛- —
USP, CP, 95%, dms., c.l., dlvd. lb. .34½- —
l.c.l., dlvd. lb. .35 - —
tanks, dlvd. lb. .34 - —
yellow, distilled, dms., c.l., dlvd. lb. .33⅞- —
l.c.l., dlvd. lb. .34⅜- —
tanks, dlvd. lb. .33⅜- —
Glycine, USP, (see Acid aminoacetic)
Glyoxal, 30%, dms., c.l. works lb. .18½- —
l.c.l., works lb. .19 - —
tanks, works lb. .18 - —
Gold chloride acid-brown, bots oz. 23.50 -24.00
acid-yellow, bots. oz. 21.00 -21.50
Golden seal root, NF, tested, bls., lb. 3.00 - 3.05
powd., bxs lb. 3.25 - 3.30
Gold-sodium chloride, photo, bots oz. 13.00 -14.00
USP IX, bots oz. 14.50 -15.50
Grains of paradise, bgs lb. .32 - .33
Graphite, amorph., powd., bgs., fib. dms. ex whse lb. .05 - .095
Graphite, crystalline, 88-90%, powd., bgs., fib. dms., ex whse lb. .19 - .215
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31½
flake, No. 1, 90-95%, bgs., fib. dms., ex. whse lb. .29 - .31
No. 2 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, brown, dlvd lb. .03⅜- —
house lb. .03⅞- —
white, choice lb. .08¼- —
yellow lb. .04¼- —
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs., works lb. 4.50 - —
tungstated, PTMA, kgs., works lb. 6.30 - —
Chrome, CP, dark, light, medium, blue content 5 to 30%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .35 - —
31-50%, bbls., same basis. lb. .38 - —
50-60%, bbls., same basis. lb. .38 - —
reduced color, 25%, bbls., same basis lb. .17 - .17¼

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., dms., c.l., frt. alld lb. .95 - 1.20
pure, c.l., bgs., frt. alld lb. .37½- .44
Dyes (see Dyes, coaltar).
Emerald, malachite toner, tungstic, PTMA, bbls., works lb. 4.50 - 5.50
Paris (see Paris green).
Phthalocyanin toner, bbls., works, lb. 4.40 - —
resinated, bbls lb. 4.00 - —
water dispersable, bbls lb. 1.71 - —
Pigment B, kegs lb. 1.35 - —
Grindelia robusta herb, bls lb. .30 - .32
Guaiac resin, NF, cs lb. .55 - .60
ordinary, cs lo. .49 - .51
Guaiacol, cryst., tins lb. 1.90 - —
liquid, NF, bots., cbys lb. 2.15 - 2.20
Carbonate, dms lb. 3.15 - 3.20
Guarana powd., cs lb. 1.50 - 1.75
Gum accroides (see Gum yacca).
Aloe (see A.)
Ammoniac tears, cs lb. .35 - .65
Arabic, amber sorts, bgs lb. .14 - .14¼
powdered, USP, bbls lb. .19 - .20
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs lb. .38 - .45
Camphor (see C).
Cellulose, bgs., 23,000 lbs. or more, works, frt. alld lb. .60 - —
smaller lots, same basis lb. .62 - —
works lb. 6.50 - —
Copal, Congo, No. 1, bgs lb. .21 - .23
No. 2, bgs lb. .19 - .20
No. 3, bgs lb. .17½- .18¼
Manila, loba B, bgs lb. No prices.
C, bgs lb. .27 - .32
CBB, bgs. lb. .22 - .23
CNE, bgs. lb. No prices.
DBB, bgs. lb. .14 - .18
DK, bgs. lb. .13 - .15
dust, bgs. lb. .11 - .12¼
soft, MA, bgs lb. .13 - .16
WS, bgs. lb. .27 - .35
Philippine, pale, chips, bgs. lb. .18 - .25
nubs, bgs. lb. .27 - .32
seeds, bgs. lb. .15 - .21
sorts, bgs. lb. .18 - .22
Pontianak, chips, bgs lb. .22 - .26
nubs, bgs. lb. .36 - .40
Dammar, Batavia, A/E, bgs lb. .24 - .26
dust, bgs. lb. .14 - .16
E., bgs. lb. .16 - .18
East India, batu, bold, bgs lb. .12 - .14
nubs and chips, bgs lb. .08 - .10
black, bold, bgs lb. .14½- .16
unscraped, bgs lb. .12 - .13
nubs and chips, bgs lb. .11 - .13
pale, chips, bgs lb. .13 - .14
nubs, bgs. lb. .19 - .20
Singapore, No. 1, bgs lb. .25 - .38
No. 2, bgs lb. .29 - .32
No. 3, bgs. lb. .16 - .17
dust, bgs. lb. .14 - .16
seeds, bgs. lb. .16 - .18
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va. lb. .14 - .14¼
wood-rosin type, dms., c.l., dlvd., Ill., Ind., etc. lb. .14 - —
Euphorbium, cs. lb. .55 - .60
Galbanum, cs. lb. .75 - .80
Gamboge, pipe, cs. lb. .70 - 1.00
powd., bbls lb. .90 - 1.20

For more than 25 years the Norwich Pharmacal Company has used U. S. P. Glycerine in the Zemacol formulation. This year 'round seller helps to relieve the itching and burning of a wide variety of skin irritations — from eczema-like rashes to poison ivy. Promoted as the "invisible bandage", Zemacol has long been one of Norwich's "top ten" products.

FULLY ACCEPTED... FULLY AVAILABLE IN ALL GRADES!

Improved stability of Glycerine supply means you can count on dependable delivery of this time-tested ingredient. You can confidently build your formulations around Glycerine—without concern for emergency substitutions.

Glycerine is a component of *one out of four* prescriptions... an ingredient in hundreds of proprietary remedies. In dermatological preparations it often performs a *triple* function as humectant, emollient and solvent.

The low evaporation loss and unusual viscosity of Glycerine solutions help retain medication on irritated surfaces longer. Glycerine is colorless. Its solvent properties often make possible clear, uniform solutions of otherwise poorly miscible components.

And in all of Glycerine's countless applications, it provides an unmatched balance of properties, ready acceptance, and established freedom from toxicity.

Plan ahead with Glycerine. For full information, contact your Glycerine supplier, or write—

GLYCERINE PRODUCERS' ASSOCIATION
295 Madison Avenue, New York 17, N. Y.

Gum, ghatti No. 2, bgs.....lb. .35 - .37
No. 3, bgs.....lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, NF, powd., No. 1, bbls. lb. .40 - .41
No. 2, bbls.....lb. .30 - .31
No. 3, bbls.....lb. .23 - .24
Kauri, bgs.....lb. .30 - .50
Kino, cs.....lb. 1.15 - 2.40
Locust bean, powd., bgs.....lb. .32 - .35
Mastic, cs.....lb. 2.00 - 2.10
Myrrh, cs.....lb. .30 - .35
Olibanum, siftings, cs.....lb. .16 - .18
tears, cs.....lb. .20 - .30
Opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, cks.....lb. 3.20 - 4.00
Scammony, cs.....lb. 1.50 - 1.55
Sterculia (see Gum karaya).
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 3.00 - 3.05
No. 2, cs.....lb. 2.60 - 2.65
No. 3, cs.....lb. 1.70 - 1.75
powdered, USP, bbls.....lb. 1.25 - 1.35
Yacca, bgs.....lb. .06 - —
Gypsum, anhydrous filler, paper bgs., c.l., Medicine Lodge, Kan. ton.19.00 - —
Plaster of paris, paper bgs., c.l., Baltimore, frt. equald ton.18.30 - —
Harlem river, N. Y., frt. equald. ton.17.30 - —
Medicine Lodge, Kan., frt. equald ton.16.00 - —
Stucco, Akron, N. Y., frt. equald. ton. 8.00 - —
Blue Rapids, Kans., frt. equald. ton. 8.00 - —
Fort Dodge Iowa, frt equald. ton. 8.00 - —
Gypsum, Ohio, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald. ton. 8.00 - —
New Brighton N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt. equald. ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., Baltimore. ton.14.40 - —
Harlem River, N. Y. ton.14.40 - —
imported, English, paper bgs., ex dock. ton.48.00 - —
ex warehouse .....ton.53.00 -56.00

H

Hawthorn berries, bgs.....lb. .30 - .32
Heliotropine, cryst., cns.....lb. 3.10 - 3.45
Helonias root, bls.....lb. 1.35 - 1.40
Hellebore root dom., green, bls. lb. .60 - .65
imp., black, whole, bls.....lb. .25 - .30
ground, bxs .....lb. .30 - .35
powder, bxs.....lb. .32 - .37
white, whole, bls.....lb. .25 - .30
powder, bxs.....lb. .35 - .45
Hematine, extract, cryst., No. 1, bbls., l.c.l. lb. .47 - —
No. 2, bbls., l.c.l.....lb. .43 - —
No. 3, bbls., l.c.l.....lb. .41 - —
No. 4, bbls., l.c.l.....lb. .39 - —
No 5, bbls., l.c.l.....lb. .37 - —
paste, No. 1, bbls., l.c.l.....lb. .20½ - —
Henbane leaves, bls.....lb. .35 - .40
Henna leaves, bls.....lb. .23 - .25
powd., bbls., bgs.....lb. .32 - .38
Heptane, industrial, Bayonne, N. J., tanks. gal. .18 - —
group 3, tanks.....gal. .1375- .1405
Hesperidin methylchalcone, bots., works. lb.50.00 - —
Hexachlorophene, dms.....lb. 2.60 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb. lots or more, Perth Amboy or N. Y. C. lb. .232 - —
less than 1,000-lb. lots, same basis lb. .242 - —
fib. dms., 1,000-lb. lots or more, same basis lb. .239 - —
less than 1,000-lb. lots, same basis. lb. .249 - —
USP, dms., 500 lbs. or more, same basis. lb. .40½- —
smaller lots, same basis... lb. .41½- —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, Bayonne, N. J., tanks. gal. .18 - —
Group 3, tanks.....gal. .145 - .148
Hexanol, normal, dms., c.l., works. lb. .34½- —
l.c.l., works .....lb. .35 - —
tanks, works .....lb. .33 - —
Hexyl cinnamic aldehyde, dms..lb. 2.25 - 7.50
Salicylate, dms .....lb. 1.75 - —
Hexylenegiycol, dms., c.l., dlvd. lb. .15¾- —
l.c.l., dlvd .....lb. .16½- —
tanks, dlvd .....lb. .14 - —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol, USP, dms., dlvd., 50-lb. lots or more..lb.15.00 -16.00
smaller lots, dlvd.....lb.16.00 -17.00
Histamine diphosphate, USP., bots. kilo.450.00 —
Histidine hydrochloride, laevo, NF, fib. dms., 50-kilo lots, works. kilo.80.00 -85.00
1-5 kilo lots works.....kilo.90.00 -95.00
Homatropine hydrobromide, USP, bots. oz.13.75 -14.00
Hydrochloride, bots .....oz.20.00 -22.00
Methylbromide, USP, bots ....oz.13.00 -14.50
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago. unit-ton. 6.50 - —
Hops, NF, bls .....lb. .30 - .35
Horehound herb, bls .....lb. .14 - .15
Hydrangea root, bls .....lb. .22 - .25
Hydrastine, bots .....oz.29.50 -31.00
Hydrochloride, NF, bots.....oz.29.50 -31.00
Sulphate, bots .....oz.35.00 -37.00
Hydrastinine 10-grain bots ....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrazine, free base, ret. dms., Niagara Falls lb. 4.50 - 5.25
Hydrate, 100%, ret. dms., Niagara Falls lb. 3.00 - 3.50
85%, same basis .....lb. 2.55 - 3.00
Hydrofuramide, dms., fib. ctns., works lb. .30 - .40
Hydrogen chloride anhyd., 50-lb cyl., works lb. .55 - .60
Peroxide, USP bbls., dlvd .... lb. .03¾- .05
35%, chys., same basis .....lb. .217 - .242
dms., c.l. same basis .....lb. .21 - —
l.c.l., same basis .....lb. .215 - .24
tanks .....lb. .203 - —
Hydrogen peroxide prices on W. Coast 2c per lb. higher.
Hydroquinone, photogrd., bbls., dms. lb. .98 - 1.00
tech., dms., c.l., frt. equald. lb. .77 - —
l.c.l., frt. equald .....lb. .78 - —
Hydroxycitronellal, cns.....lb. 6.00 - 6.30
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots .....oz.15.75 -16.00
Hydrobromide, bots.....oz.16.50 -18.00
Sulphate, bots .....oz.12.00 -15.00
Hypernic extract, cryst., No. 2, bbls., l.c.l. lb. .52 - —
liquid, No 1, bbls., l.c.l.... lb. .35 - —
No 2, bbls., l.c.l.....lb. .27 - —
Hyssop herb, bgs.....lb. .35 - .44
Leaves, bgs.....lb. .52 - .58

I

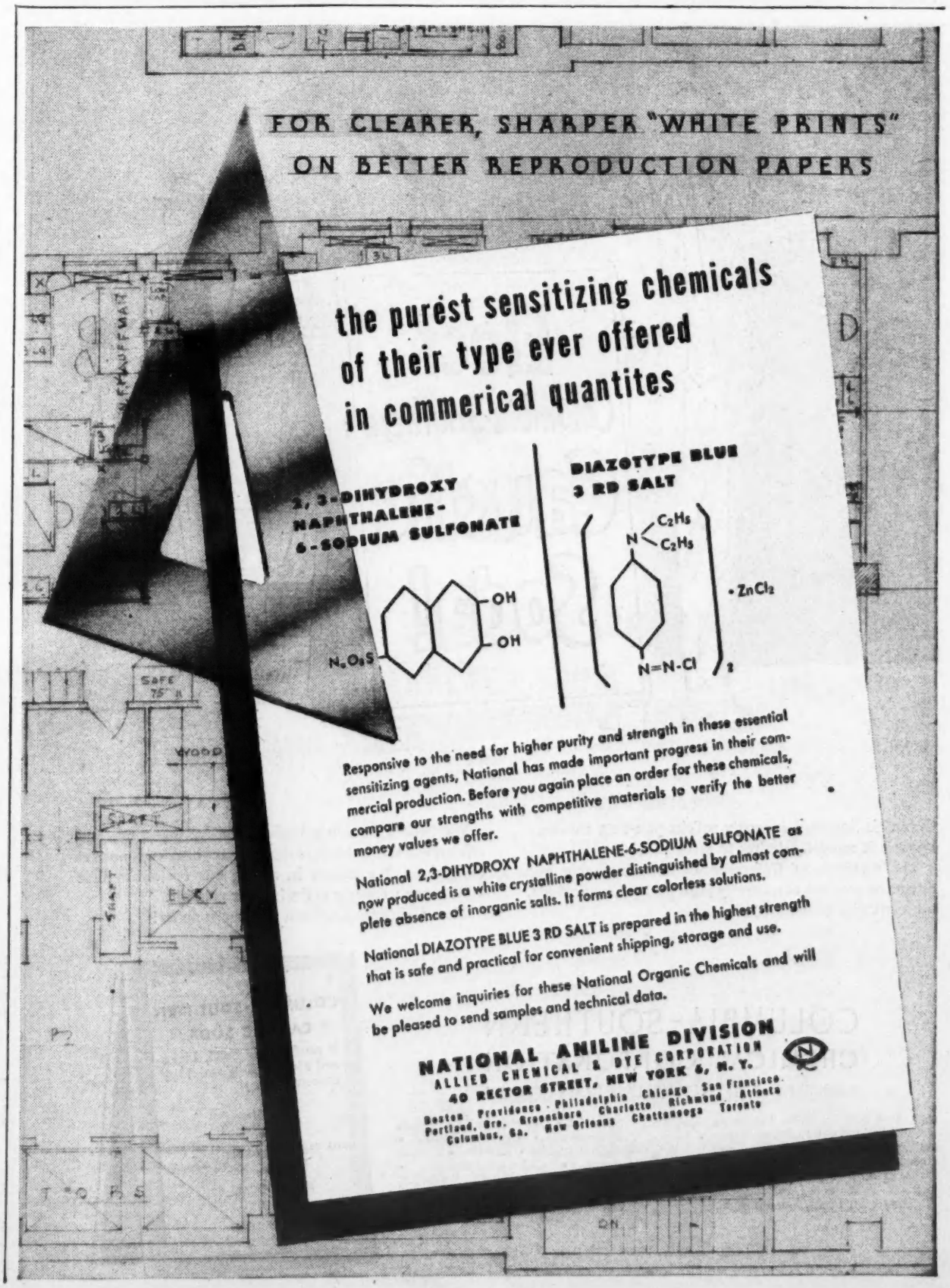
Iceland moss, bgs.....lb. .30 - .35
Ichthammol, NF, dms.....lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.16
synth., paste, 20%, bbls.....lb. .28 - .28½
Indol, CP, bots.....lb.17.00 -21.00
Inositol, dms., dlvd.....lb. 5.60 - —
tins, dlvd. .....lb. 5.70 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs.....lb. 1.04 - 2.04
resublimed, USP, bots., jars . lb. 2.55 - 2.78
Iodochlorohydroxyquin, USP, dms.lb. 6.90 - —
Iodoform, NF, dms., kgs..... lb. 4.70 - 4.85
Ionone alpha, cns.....lb. 5.05 - 6.95
Beta, cns.....lb. 4.95 - 7.10
Methyl, dms., cns.....lb. 4.65 - 6.25
Ipecac root, bgs.....lb. 6.00 - 6.25
powd., bbls., bxs.....lb. 6.25 - 6.50
Irish moss, bleached, prime, bls lb. .25 - .30
Iron acetate liquor, 28°, bbls., c.l., works. lb. .09 - —
l.c.l., works .....lb. .09¾- —
solut., USP, IX, chys.....lb. .16 - —
djns. .....lb. .17 - —
Cacodylate, NF, bots.....lb.13.00 -14.00
Chloride (ferric), anhydr., tech., dms., c.l., works. 100 lbs. 6.25 - —
l.c.l., works .....100 lbs. 7.50 - —
cryst., indust., bbls., c.l., works 100 lbs. 5.25 - 6.25
l.c.l., works 100 lbs. 5.75 - 6.75
USP, dms., works .....lb. .07½ - .09
solut., 42° Be, basis 100%, chys., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works..100 lbs. 7.75 -10.75
tanks, works.....100 lbs. 3.45 - —
Citrate, gran., dms .....lb. .77 - .90
Gluconate, NF (see Ferrous gluconate, NF).
Glycerophosphate, NF, powd. lb. 4.45 - 4.53
Iron hypophosphite, NF, dms...lb. 2.80 - —
Iodide, bgs. .....lb. 3.66 - 3.73
Naphthenate liq., 6% Fe., dms., frt. alld lb. .23¾- —
Oxalate, gran., dms.....lb. .85 - .87
Phosphate, soluble, NF, gran., pearls, cs lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., pearls, dms. lb. .78 - .81
Reduced, NF, kegs .....lb. .90 - .95
Resinate, 6.75% Fe, dms., frt. alld. lb. .26¼- —
Stearate, dms., c.l. .....lb. .37 - —
ton lots .....lb. .33 - —
less ton lots.....lb. .39 - —
Sulphate, ferric, partially hydrated, bgs., c.l., works ton.30.00 - —
l.c.l., works.....ton.31.00 - —
ferrous, tech. (see Copperas), USP, cryst., bbls., dms.....lb. .09½- .10
Iron by hydrogen (see Iron, Reduced).
Iron-ammonium citrate, green, NF, gran., dms. lb. .53 - .60
brown, USP, gran. dms.. lb. .55 - .59
Oxalate, fine gran., dms.....lb. .25½- .28½
Iron-potassium, oxalate, fine gran., dms. lb. .30½- .33½
Iron-sodium, oxalate, fine gran., dms. lb. .25½- .28½
Isoborneol, cns .....lb. 1.25 - 1.70
Isobornyl acetate, cns .....lb. .70 - .97
Formate, dms. .....lb. .80 - —
Propionate, dms .....lb. 1.15 - 1.50
Isobutyl acetate, perfume grade, cns. lb. .75 - .97
solvent grade, dms., c.l., dlvd. E. of Rockies. lb. .14 - —
l.c.l., same basis.....lb. .14¾- —
tanks, same basis.....lb. .12¼- —
Methacrylate, dms., works.....lb. .60 - —
Isobutyraldehyde, dms., works .. lb. .50 - .53
Isoeugenol, cns.....lb. 3.70 - 4.40
Isopentane, dms., works.....lb. .43 - .55
Isophorone, dms., c.l., works....lb. .24¼- —
t.c.l., works.....lb. .24¾- —
tanks, works.....lb. .22½- —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., dlvd. lb. .11¾- —
l.c.l., same basis.....lb. .12½- —
tanks, same basis.....lb. .10 - —
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether (see Ether, isopropyl).
Isopropylamine (see Monoisopropylamine).
Isopropylphenol, dms., c.l., works lb. .46 - —
l.c.l., works.....lb. .47 - —
tanks, works.....lb. .45 - —
Isoquinoline, dms., works..... lb. .65 - 1.25

J

Jaborandi leaves, bls.....lb. .15 - .20
Jalap root, NF, bls.....lb. .45 - .55
powd., bbls., bxs.....lb. .50 - .60
Juniper berries, bgs.....lb. .06 - .15
Tar, NF, dms.....lb. .42 - .45

K

Kamala, powd., cns.....lb. .75 - .80
Kava Kava root, bls.....lb. .28 - .30
Kaolin (see also Clay, China), NF, powd., fib. dms.....lb. .08 - .16½
colloidal, fib. dms.....lb. .15 - .15½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6-SODIUM SULFONATE
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3 RD SALT
C2H5
N
C2H5
• ZnCl2
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2
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Kerosene—Magnesia, USP, Heavy

Kerosene, at refinery, Ark., 42-44 specific gravity w.w., tanks, gal.		.0925-	—
California, 40-43 s.g., w.w., tanks gal.		.126 -	.130
Gulf ports, 41-43 s.g., w.w., tanks gal.		.0900-	.0925
N. Y. Harnor, 43-44 s.g., w.w., tanks gal.		.109 -	—
Okla.-Tex., 41-43 s.g., w.w., tanks gal.		.090 -	.095
Penn., Western, 45 s.g., w.w., tanks gal.		.11 -	—
Kola nuts, bgs	lb.	.08 -	.09
Kyanite, imp., 60% alumina, low iron content, 10 mesh, bulk, whse.	ton.	95.00	-100.00
calcined, grain, 10-mesh, whse.	ton.	95.00	-105.00

L

Lady's slipper root, bls	lb.	1.40 -	1.50
Lanolin, cosmetic, dms., works	lb.	.35½-	.40½
USP, anhydrous, dms., works	lb.	.33½-	—
hydrous, dms., works	lb.	.32 -	—
Lard, cash, trcs., Chicago	lb.	.11⅛	Nom.
Larkspur seed, bgs	lb.	.20 -	.25
Laurel berries, bgs	lb.	.25 -	.26
Leaves, Greek, bls	lb.	.10 -	.10¼
Portuguese, bls	lb.	.09½-	.10
Turkish, bls	lb.	.10¼-	.10½
Yugoslavian, bls	lb.	.09 -	.09½
Lauryl chloride, dms., works, frt. equald	lb.	.72 -	—
Methacrylate, normal, dms., less than truckload, works	lb.	1.00 -	—
Lavender flowers, medium, bls	lb.	.55 -	.60
ordinary, bls	lb.	.16 -	.20
select, bls	lb.	.70 -	.80
Lead acetate, white crystals, bbls.	lb.	.22 -	—
gran., bbls	lb.	.23 -	—
powd., bbls	lb.	.23 -	—
NF, cryst., dms	lb.	.32 -	.33
gran., powd., dms	lb.	.32 -	.33
Arsenate, dealers, acid powder, 3-lb. bgs. or larger, c.l., frt. alld. on 98 lbs. or over	lb.	.27½-	—
l.c.l., frt. alld	lb.	.28½-	—
1-lb. bgs., c.l.	lb.	.42½-	—
l.c.l.	lb.	.43½-	—
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld.	lb.	.16¾-	—
l.c.l., works	lb.	.17¾-	—
Carbonate (see Lead, white).			
Chloride, dms	lb.	.45 -	—
Iodide, NF V. lars	lb.	3.82 -	—
Linoleate, fused, 26.5%, dms.	lb.	.32½-	—
Metal, pigs, prime, N. Y.	lb.	.16 -	—
St. Louis	lb.	.1580-	—
Metallic paste, dms., 20,000-40,000 lbs., works	lb.	.33¼-	—
10,000-20,000 lbs., same basis.	lb.	.33¾-	—
2,000-10,000 lbs., same basis.	lb.	.34¼-	—
200-2,000 lbs., same basis.	lb.	.34¾-	—
Prices ex whse. Jersey City, N. J., 4½c. per lb. higher.			
Monosilicate, bgs	lb.	.1708-	—
Naphthenate, liquid 16% Pb. dms., dlvd	lb.	.17½-	—
24% Pb, dms., dlvd	lb.	.23¾-	—
solid, 37% Pb, dms., dlvd	lb.	.31 -	—
Nitrate, bbls	lb.	.22¼-	—
Oleate, fused, bbls	lb.	.29¾-	—
Orthosilicate gel, 50% PbO, dms., works	lb.	.32¾-	—
60% PbO, dms., works	lb.	.31¾-	—
Lead peroxide, powd., tech., bbls.	lb.	.45 -	.47
Phthalate, dibasic, dms., works.	lb.	.42½-	—
Red, 95% Pb_3O_4, or less, bbls., c.l. ship't point, frt. alld.	lb.	.18¾-	—
l.c.l., same basis	lb.	.19¾-	—
97% Pb_3O_4, bbls., c.l., same basis	lb.	.19 -	—
l.c.l., same basis	lb.	.20 -	—
98% Pb_3O_4, bbls., c.l., same basis	lb.	.19¼-	—
l.c.l., same basis	lb.	.20¼-	—
Resinate, precip., dms., dlvd	lb.	.28½-	—
Salicylate, normal, dms., works.	lb.	.46 -	—
Stearate, dibasic, ton lots	lb.	.56 -	—
precip., bbls., c.l.	lb.	.39 -	—
ton lots	lb.	.40 -	—
less ton lots	lb.	.41 -	—
Sulphate (see Lead, blue; Lead, white; basic sulphate).			
tribasic, dms., works	lb.	.29¼-	—
Tallate, liquid, 16% Pb dms.	lb.	.15¼-	—
24% Pb, dms	lb.	.20½-	—
White, basic, carbonate, bgs., c.l., ship't poina, frt. alld.	lb.	.1770-	—
l.c.l., same basis	lb.	.1870-	—
basic silicate, bgs., c.l., ship't point, frt. alld.	lb.	.1580-	.2025
l.c.l., same basis	lb.	.1680-	.2125
basic sulphate, bgs., c.l., ship't point, frt. alld.	lb.	.16¾-	—
l.c.l., came basis	lb.	.17¾-	—
Lecithin, edible, tech., bleached dms., non-ret., c.l., works.	lb.	.16 -	.18
l.c.l., same basis	lb.	.17 -	.19
unbleached, c.l., same basis	lb.	.15 -	.17
l.c.l., same basis	lb.	.16 -	.18
Lemon peel, bls	lb.	.20 -	.26
Leucine dextro-laevo, dms., works.	lb.	12.25	-15.00
Licorice extract, mass, cns	lb.	.20¾-	.27
powd., bbls.	lb.	.31 -	.35
Root, bls	lb.	.08 -	.09
5-lb. bundles, cs	lb.	.40 -	.45
powd., bbls.	lb.	.11 -	.12
Lignin extract, tanning grade, bgs., c.l., works	lb.	.05¼-	.06½
Lime, agricultural, bulk, works	ton.	14.50 -	—
Chemical (quicklime), lump, pebble, bulk, Adams, Mass.	ton.	12.50 -	—
Annville, Pa	ton.	11.50 -	—
Austin, Texas	ton.	9.50 -	—
Bellefonte, Pa	ton.	11.50 -	—
Buffalo, N. Y	ton.	14.00 -	—
Cedar Hollow, Pa	ton.	11.50 -	—
Duluth, Minn	ton.	12.50 -	—
El Paso, Texas	ton.	14.00 -	—
Farnams, Mass	ton.	14.00 -	—
Gibsonburg, Ohio	ton.	12.50 -	—
Hannibal, Mo	ton.	10.00 -	—
Keystone, Ala	ton.	10.25 -	—
Kimballton, Va	ton.	10.25 -	—
Knoxville, Tenn	ton.	10.50 -	—
Lee, Mass	ton.	12.50 -	—
Lewisburg, Ohio	ton.	10.00 -	—
Limedale, Ark	ton.	10.00 -	—
Los Angeles, Cal	ton.	25.10	-26.84
Marble Cliff, Ohio	ton.	10.00 -	—
Martinsburg, W. Va	ton.	11 00 -	—
Mosher, Mo	ton.	10.25 -	—
Nelson, Ariz	ton.	14.50	-23.65
Quincy, Ill	ton.	10.00	-13.00
Reddick, Fla	ton.	13.50 -	—
Scotrock, Ala	ton.	10.25 -	—
Springfield, Mo	ton.	12.25 -	—
Winooski, Vt	ton.	15.50 -	—
Woodville, Ohio	ton.	11.50 -	—
York, Pa	ton.	15.50 -	—
Hydrated, paper bgs., Adams, Mass	ton.	15.50 -	—
Annville, Pa	ton.	14.50 -	—
Austin, Texas	ton.	13.00 -	—
Bellefonte, Pa	ton.	14.50 -	—
Buffalo, N. Y	ton.	16.00 -	—
Cedar Hollow, Pa	ton.	14.50 -	—
Chicago, Ill	ton.	15.00 -	—
Duluth, Minn	ton.	14.00 -	—
El Paso, Texas	ton.	17.50 -	—
Engle, W. Va	ton.	14.50 -	—
Farnams, Mass	ton.	14.00 -	—
Gibsonburg, Ohio	ton.	16.50 -	—
Hannibal, Mo	ton.	12.00 -	—
Keystone, Ala	ton.	13.50 -	—
Kimballton, Va	ton.	13.50 -	—
Knoxville, Tenn	ton.	13.00 -	—
Lee, Mass	ton.	15.50 -	—
Lewisburg, Ohio	ton.	14.00 -	—
Limedale, Ark	ton.	12.00 -	—
Marble Cliff, Ohio	ton.	13.50 -	—
McNeil, Tex	ton.	13.00 -	—
Meneminee, Mich	ton.	14.00 -	—
Mosher, Mo	ton.	12.50 -	—
North Tazewell, Va	ton.	12.75 -	—
Quincy, Ill	ton.	10.00	-12.00
Reddick, Fla	ton.	16.00 -	—
Scotrock, Ala	ton.	13.50 -	—
Springfield, Mo	ton.	12.25 -	—
Winooski, Vt	ton.	15.50 -	—
Woodville, Ohio	ton.	14.50 -	—
York, Pa	ton.	14.50 -	—
Spray, paper bgs., Adams, Mass.	ton.	17.00 -	—
Annville, Pa	ton.	17.00 -	—
Austin, Texas	ton.	13.00 -	—
Bellefonte, Pa	ton.	17.50 -	—
Carey, Ohio	ton.	11.00 -	—
Duluth, Minn	ton.	15.00 -	—
Engle, W. Va	ton.	14.50 -	—
Farnams, Mass	ton.	14.00 -	—
Gibsonburg, Ohio	ton.	16.50 -	—
Keystone, Ala	ton.	13.50 -	—
Kimballton, Va	ton.	13.50 -	—
Lee, Mass	ton.	17.00 -	—
Lewisburg, Ohio	ton.	16.00 -	—
Marble Cliff, Ohio	ton.	16.00 -	—
McNeil, Tex	ton.	16.00 -	—
Meneminee, Mich	ton.	14.00 -	—
Mosher, Mo	ton.	12.50 -	—
North Tazewell, Va	ton.	12.75 -	—
Reddick, Fla	ton.	16.00 -	—
Rockland, Me	ton.	10.00 -	—
Springfield, Mo	ton.	12.25 -	—
Scotrock, Ala	ton.	13.50 -	—
Winooski, Vt	ton.	17.00 -	—
Woodville, Ohio	ton.	16.50 -	—
York, Pa	ton.	15.50 -	—
Lime salts (see Calcium).			
Lime ammonia nitrogen, 20.5% N (see Ammonium nitrate with dolomite).			
Limestone, grd., bgs., works	ton.	3.50 -	4.00
Linalool, ex bois de rose, dms.	lb.	6.30 -	6.55
ex lignaloe wood, dms	lb.	6.75 -	7.10
Linalyl acetate, ex bois de rose, 90-92%, dms.	lb.	6.30 -	6.55
96-98%, dms.	lb.	6.60 -	7.10
ex petitgrain, bots	lb.	5.00 -	6.50
Lindane, 25% formulation, cns., works	lb.	2.70 -	—
dms., works	lb.	2.60 -	—
99%, tech., dms., works	lb.	5.75 -	7.50
Linden flowers with leaves, bls.	lb.	.34 -	.38
without leaves, bls.	lb.	.45 -	.50
Linseed meal expeller, 36%, bulk, Midwest mills	ton.	71.00	-72.00
extracted, 36%, same basis	ton.	70.00	-71.00
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld.	lb.	.17¾-	—
l.c.l., same basis	lb.	.18¾-	—
Lithium benzoate, dms.	lb.	1.65 -	1.67
Bromide, NF, bbls., works, frt. equald.	lb.	1.90 -	2.35
Carbonate, NF, bbls., kgs	lb.	1.05 -	1.15
Chloride, cryst., dms.	lb.	.95 -	1.25
Citrate, NF, bbls., dms., kgs.	lb.	1.05 -	1.40
Fluoride, bbls.	lb.	1.80 -	2.00
Hydride, powd., dms., works.	lb.	14.00	-26.00
Hydroxide monohydrate, dms.	lb.	.80 -	1.25
Salicylate, dms.	lb.	1.60 -	1.70
Lithopone, ordinary, bgs., c.l., dlvd.	lb.	.07½-	—
l.c.l., dlvd.	lb.	.06¼-	.08¼
titanated (high-strength), bgs., c.l., dlvd.	lb.	.10 -	—
l.c.l., dlvd.	lb.	.11 -	—
Lithopone prices, Pacific Coast, 1c. per lb. higher.			
Liverwort leaves, bls.	lb.	.65 -	.66
Lobelia herb, bls.	lb.	.42 -	.43
Leaves, NF	lb.	.75 -	.76
Lobeline sulphate, bots., works.	oz.	33.00	-34.00
Logwood extract, crystals, No. 1, bbls., l.c.l.	lb.	.41 -	—
No. 2, bbls., l.c.l.	lb.	.39 -	—
liquid, No. 1, bbls., l.c.l.	lb.	.20 -	—
No. 2, bbls., l.c.l.	lb.	.19 -	—
No. 3, bbls., l.c.l.	lb.	.18½-	—
solid, No. 1	lb.	.35 -	—
Lovage root, imported, bls.	lb.	.80 -	.85
Lupulin, tins	lb.	1.95 -	2.00
Lycopodium, cs	lb.	1.50 -	1.80
Lysine hydrochloride, dextro-laevo, bots.	kilo.	145.00	-149.00

M

Mace, Siauw, No. 1, bls.	lb.	.88 -	.89
West Indian, cs.	lb.	.82 -	.83
broken, cs.	lb.	.64 -	.65
Magnesia, calcined, tech., ctns. works	lb.	.32 -	.34¼
synth., rubber grade, ctns., works	lb.	.31 -	—
USP, light, ctns.	lb.	.34 -	.36
heavy, bbls.	lb.	.36 -	.38

Columbia-Southern earnestly solicits you as a customer because it earnestly desires to serve you.

The platform of Columbia-Southern is simple and direct: to produce consistently high purity Caustic Soda, other alkalies and related chemicals.

We believe in doing business fairly, promptly, and efficiently. We believe in serving beyond our normal obligations. We believe in saving our customers time and money whenever and wherever possible.

Elect Columbia-Southern as your supplier!

COLUMBIA-SOUTHERN
CHEMICAL CORPORATION
SUBSIDIARY OF PITTSBURGH PLATE GLASS COMPANY

EXECUTIVE OFFICES: Fifth Avenue at Bellefield, Pittsburgh 13, Pennsylvania
DISTRICT OFFICES: Boston, Charlotte, Chicago, Cincinnati, Cleveland, Dallas, Houston, Minneapolis, New Orleans, New York, Philadelphia, Pittsburgh, St. Louis, San Francisco

Soda Ash • Liquid Chlorine • Sodium Bicarbonate • Calcium Chloride • Modified Sodas • Pittchlor • Caustic Potash • Chlorinated Benzenes • Rubber Pigments (Hi-Sil, Silene EF, Calcene TM) • Muriatic Acid • Perchlorethylene

COLUMBIA-SOUTHERN
CAUSTIC SODA
is produced in Solid, Flake and Liquid (50% and 73% concentrations)
It is shipped
BY THE DRUM
BY TANK CAR
BY BARGE LOAD

Magnesite, chemical grade, bgs., c.l., works, frt. equald ..ton.72.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash. ..ton.38.30 - —
Magnesium bromide, jars ..lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald ..lb. .09½- —
l.c.l., frt alld ..lb. .10½- —
bbls., c.l., frt. equald ..lb. .10¾- —
l.c.l., frt. alld ..lb. .11¾- —
kgs. c.l., frt. equald ..lb. .12 - —
l.c.l., frt. alld ..lb. .13 - —
USP, bgs., c.l., frt. equald ..lb. .11¼- —
l.c.l., frt. alld ..lb. .12¼- —
bbls., c.l., frt. equald ..lb. .11¾- —
l.c.l., frt. alld ..lb. .12¾- —
kgs., c.l., frt. equald ..lb. .13 - —
l.c.l., frt. alld ..lb. .14 - —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt equald with N. Y. C. on all other destinations.

Chloride, anhyd., lump., 95-98%, dms., c.l., works., frt. equald ..lb. .12¾- —
l.c.l., same basis ..lb. .14 - .15
powd., bbls., works ..ton.50 00 - —
hydrous, flake, dms., l.c.l., works ton.49.00 -51.00
Gluconate, dms., cns ..lb. 1.30 - 1.37
Glycerophosphate, dms., works lb. 5.10 - 5.20
Hydroxide, NF, medicinals, bbls., dms., kgs ..lb. .26½- .30
Hypophosphite, dms ..lb. 1.60 - —
Laurate, bbls ..lb. .46 - .47
Metal, 99.8% ingots, cs., works..lb. .24½- —
sticks, cs., works, frt. alld. on carlots ..lb. .42 - .44
Oleate, fused bbls ..lb. .31 - —
Oxide (see Magnesia calcined).
Peroxide, 15%, dms., works ..lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls ..lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works ..lb. .12 - .14
Sulphate (see Epsom salt).
Stearate, ctns., cs ..lb. .38 - —
ton lots ..lb. .39 - —
less ton lots ..lb. .40 - —
Trisilicate, USP, dms., 5,000-lb. lots ..lb. .38 - —
1,000-lb. lots ..lb. .40 - —
100-lb. lots ..lb. .45 - —

Bulky and super grades of magnesium trisilicate, 7c. per lb. higher.

Maleic anhydride, dms., c.l., dlvd. E. of Rockies ..lb. .37 - —
l.c.l., dlvd. E. of Rockies ..lb. .38 - —

Prices on maleic anhydride W. of Rockies, 1½c. higher.

Malva flowers, black, bls ..lb. .90 - 1.10
blue, bls ..lb. 1.65 - 2.00
Leaves, bls ..lb. .35 - .38
Mandrake root, bls ..lb. .43 - .45
Manganese acetate, bbls, dlvd ..lb. .32½- —
Arsenate, bgs ..lb. .16 - —
Borate, tech., bbls ..lb. .24 - —
Carbonate bbls., works ..lb. .21 - —
Chloride anhyd., dms., works lb. .20 - .22
Dioxide, African, battery, 64-87%, bgs., 100-ton lots, works ..ton.78.00 - —
smaller lots, works ton.84.00 -94.00
Gluconate, dms., cns ..lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms lb. 4.70 - 4.80
Hydrate, bbls., dlvd ..lb. .33¼- —
Hypophosphite, NF, dms ..lb. 2.00 - —
Linoleate, liquid, 4.35% Mn., dms. ..lb. .30½- —
solid, precip., 8.2% Mn., bbls ..lb. .33½- —
Metal, cs., dlvd. East ..lb. .30 - .32
Naphthenate, liquid 6% Mn., dms., frt. alld ..lb. .25 - —
Oleate, precip., bbls ..lb. .33½- —
Resinate, fused, 3½% Mn., dms ..lb. .21¾- —
precip., dms ..lb. .24½- —
Stearate, ctns., c.l ..lb. .38 - —
ton lots ..lb. .39 - —
less ton lots ..lb. .40 - —
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E. ..ton.75.50 - —
l.c.l., dlvd., S. E. ..ton.82.50 - —
feed grade, 75%, bgs., c.l., dlvd. S.E. ..ton.87.50 - —
l.c.l., dlvd. S. E. ..ton.94.50 - —
Tallate, 6%, dms ..lb. .21¾- —
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ..ton.78.00 -79.00
So. American, 30% tannin, c.l., ex dock ..ton.60.00 - —
Manna, flake, large, cs ..lb. 1.25 - 1.30
small, cs ..lb .80 - .95
Mannitol, com'l, dms., works ..lb. .40 - .43
reagent, 50-lb. dms., works ..lb. .85 - —
Marjoram, Bohemian, bls ..lb. .20 - .21
Chilean, bls ..lb. .20 - .20½
French, bls ..lb. .24 - .25
Peruvian, bls ..lb. .22 Nom.
Matico leaves, bls ..lb. .25 - .35
Melamine, bgs., ton lots, works ..lb. .33 - —
500 to 2,000-lb. lots, works ..lb. .33½- —
less 500 lbs., works ..lb. .38½- —
Menadione, USP, bots ..gram. .06 - .06¼
Menthol, natural, USP, Brazilian, cs ..lb. 6.10 - —
Chinese, cs ..lb. 7.40 - —
synthetic, USP, racemic, cns ..lb. 5.80 - —
Menthyl salicylate, tins ..lb. 4.00 - 4.25
Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld ..lb. .34 - .35
less ton lots, same basis ..lb. .36 - .37
Mercaptobenzothiazyl disulphide, bgs., fib. dms., ton lots, works, frt. alld ..lb. .42 - .42½
less ton lots, same basis ..lb. .44 - .45½
Mercury, ammoniated (see White precipitated).
Bichloride (see Corrosive sublimate).
Chloride (see Calomel).
Cyanide, NF VIII, powd., fib. dms. ..lb. 5.29 - —
Iodide, red, NF, fib. dms ..lb. 6.22 - —
yellow, NF, fib. dms ..lb. 6.47 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms ..lb. 4.64 - —
Mesityl oxide, dms., c.l., dlvd ..lb. .13¼- .14¼
l.c.l., dlvd ..lb. .14 - .15
tanks, dlvd ..lb. .11½- .12½
Metaldehyde, dms., works ..lb. .95 - 1.25
Meta-aminophenol, distilled, dms., ton lots ..lb. 2.05 - —
less than ton lots ..lb. 2.50 - —
Metachloranilin, dms., works ..lb. .80 - —
Metacresol, 98%, dms., c.l., works lb. .73½- —
l.c.l., works ..lb. .74½- —
Metanitroanilin, dms., frt. alld ..lb. 1.05 - —
Metanitroparatoluidin, bbls ..lb. 1.54 - —
Metaphenylenediamine, kgs., frt. alld. ..lb. .90 - —
Metatoluidine, bbls., c.l., works, frt. alld ..lb. .78 - —
l.c.l., same basis ..lb. .80 - —
tankcars, same basis ..lb. .76 - —
Metatolylenediamine, fib. dms., frt. alld ..lb. .94 - 1.00
Methanol, natural, denaturing grade, dms., c.l., frt. alld ..gal. .78 - —
l.c.l., frt alld ..gal. .79 - —
tanks, frt. alld ..gal. .70 - —
Prices on natural methanol W. of Miss., 3c. higher.

Methanol, synthetic, Zone 1, dms., c.l., frt. alld ..gal. .44 - .45½
l.c.l., frt. alld ..gal. .49 - .50½
tanks, frt. alld ..gal. .32 - .33½
Zone 2, dms., c.l., frt. alld ..gal. .49½- —
l.c.l., ex whse ..gal. .51 - .55
tanks, frt. alld ..gal. .35½- —

Synthetic methanol zones are:—Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of the U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine)
Methionine, dextro-laevo, fib. dms., frt alld. 50-lb or more ..lb. 4.55 - —
feed grade, 98%, fib., dms., same basis ..lb. 3.00 - —
97%, fib. dms., same basis ..lb. 2.97 - —
Methoxychlor, 50% wettable powder, dealers, dms., cs., frt. alld ..lb. .61 - .64
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 ..lb. .19½- —
l.c.l., same basis ..lb. .20 - —
hydrogenated non-ret. dms., c.l., dlvd. zone 1 ..lb. .20 - —
l.c.l., same basis ..lb. .20½- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.

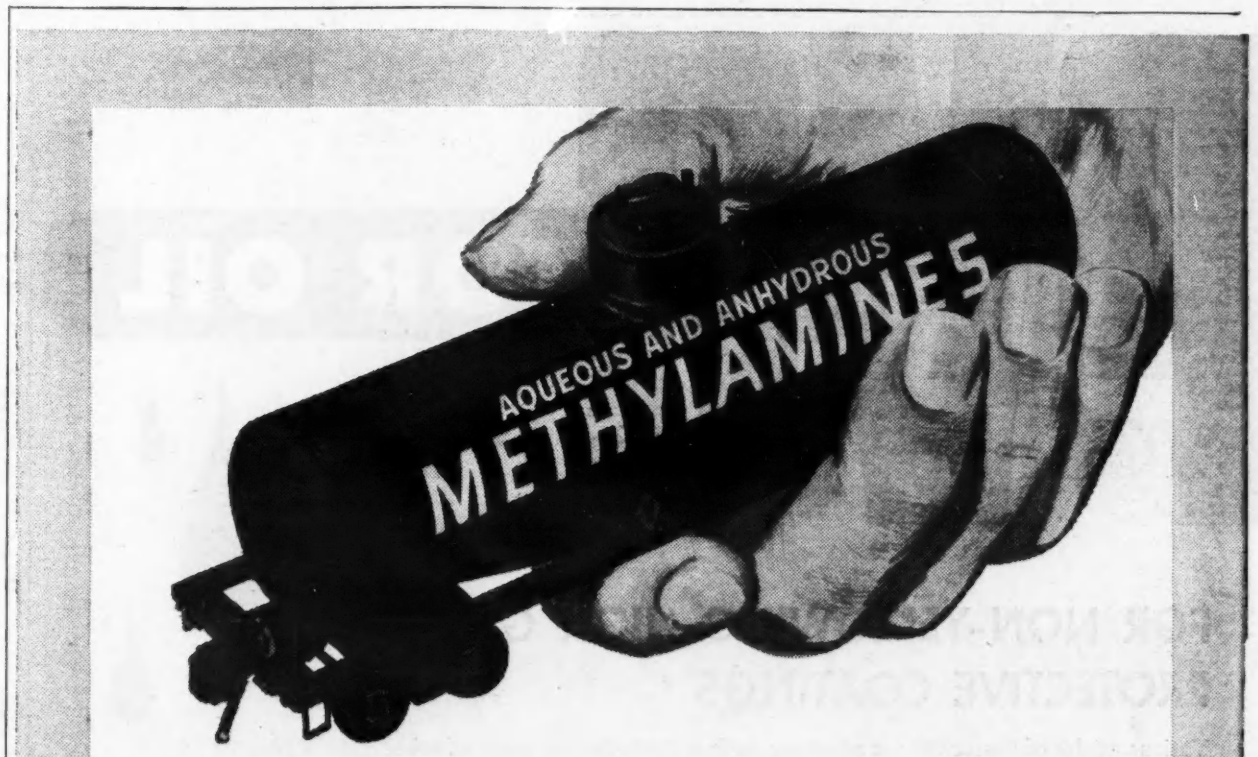
Acetone, natural, dms., c.l., E. of Miss., frt. alld. gal. .57 - —
l.c.l., same basis ..gal. .68 - —
tanks, same basis ..gal. .45 - —

Natural methyl acetone prices W. of Miss. 3½c. per gal. higher.

synthetic, dms., c.l., dlvd. E. ..gal. .66½- —
l.c.l., dlvd. E ..gal. .72¼- —
Methyl acetone, synth., tanks, dvld. E. ..gal. .54¼- —

Synthetic methyl acetone East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory is all States West of those four.

Acrylate, dms., c.l., and truckload, works ..lb. .50 - —
less than truckload works ..lb. .50½- —
tanks, works ..lb. .49 - —
Alcohol (see Methanol).
Anthranilate, cns ..lb 2.35 - 2.40
extra, cns ..lb. 2.65 - 4.40
Benzoate, cns., dms ..lb. .53 - .59
Bromide, jobbers, cyls., various sizes, works ..lb. .47 - .61
Chloride, indust., cyl., works ..lb. .18 - —
tanks, multi-unit works ..lb. .14 - —
single-unit, works ..lb. .11½- —
refrigerator mfrs., cyls., dlvd ..lb. .39 - .48
other consumers or service men, cyls. dlvd ..lb. .486 - —
Cinnamate, cns ..lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works ..lb. .34½- —
l.c.l., works ..lb. .35 - —
tanks, works ..lb. .33 - —
Formate refd., dms ..lb. .35 - .40
tech., non-ret. dms., any quantity, works ..lb. .08 - —
tanks, works ..lb. .07 - —
Iodide, bots., works ..lb. 4.00 - —
cbys., works ..lb. 3.50 - —
Lactate, dms., l.c.l., works ..lb. .35 - —
Methacrylate, dms., c.l., and truckload, works ..lb. .36½- —
less than truckload, works ..lb. .37 - —
tanks, works ..lb. .35 - —
Methyl parahydroxybenzoate, USP, bots ..lb. 2.10 - 2.20
fib. dms ..lb. 1.90 - 2.00
Roseanilin chloride, NF, fib. dms. ..lb. 5.40 .. —
Salicylate, USP, dms., 500 lbs ..lb. .50 - —
cns., 50 lbs ..lb. .55 - —
Testosterone, USP, 100 gms ..gm. 1.75 - —
Methylal, refined, 95%, dms., c.l., works ..lb. .11 - —
l.c.l., works ..lb. .12 - —
tanks, works ..lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. E ..lb. .16¾- —
l.c.l., dlvd. E ..lb. .17¾- —
tanks, dlvd. E ..lb. .15 - —
Ketone, dms., works ..lb. 1.05 - —
Methylcellulose, special, vis., (1,500-4,000 cps.) 50-lb bgs., c.l., works ..lb. .78 - —
2,000 lbs., and more, same basis ..lb. .80 - —
smaller lots, frt. alld. on 100 lbs. ..lb. .85 - .97
standard vis. (15-400 cps.), 50-lb. bgs., c.l., alld ..lb. .66 - —
2,000 lbs. and more, same basis ..lb. .68 - —
smaller lots, frt. alld. on 100 lbs ..lb. .72 - .85
Methylene blue, 100 lb. lots, kgs., frt. adjusted ..lb 3.25 - 3.60
smaller lots, kgs., same basis ..lb 3.40 - 3.60
Chloride, industrial, dms., c.l., dlvd. E ..lb. .13½- —
Methylethylketone, dms., c.l., dlvd. ..lb. .12¾- .13¾
l.c.l. dlvd. ..lb. .13½- .14½
tanks, dlvd. ..lb. .11 - .12



LOW COST, LOW MOLECULAR WEIGHT AMINES AVAILABLE IN TANKCARS FROM TWO PLANTS

Because the methylamines combine low cost with low molecular weight, they are the most economical aliphatic amines on the market for the synthesis of organic nitrogen compounds. For this reason the list of uses for the methylamines has grown steadily since Rohm & Haas introduced them commercially in 1934.

All three amines—monomethylamine, dimethylamine, and trimethylamine—are shipped in both aqueous and anhydrous form, in drums, cylinders, or tankcars. They are produced at two different plants, assuring their continuing availability.

If you manufacture dyes, drugs, photographic chemicals, rubber accelerators, fungicides, bactericides, weed killers, quaternary ammonium compounds, or other organic nitrogen compounds, the Rohm & Haas methylamines should be considered as readily available, low-cost raw materials.

For complete data on the physical properties of the methylamines, write for this 39-page booklet.

CHEMICALS FOR INDUSTRY

ROHM & HAAS COMPANY

WASHINGTON SQUARE, PHILADELPHIA 5, PA.

Methylethylpyridin—Oil, Almond

Methylethylpyridin, dms., c.l., works, lb. .47½- —
l.c.l. works lb. .48 - —
tanks, works lb. .46 - —
Methylheptin, carbonate, bots lb. 35.00 -45.00
Methylionone, A, cns lb. 6.35 - 8.80
D, cns. lb. 7.50 - 9.55
prime, cns. lb. 4.55 - 6.40
Methylisobutyl carbinol (See Carbinol methylisobutyl).
Ketone, dms., c.l., dlvd lb. .14¾- —
l.c.l., dlvd. lb. .15½- —
tanks, dlvd. lb. .13 - —
Methylnaphthyl, ketone, cans lb. 3.00 - 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexylenеglycol).
Methylphenylpyrazolone, 250-lb. dms., dlvd lb 1.60 - 1.70
less than 250 lbs., dms., dlvd lb. 1.80 - 1.90
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .04½- —
roofing, 20 to 80 mesh, works lb. .03¾- —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse. or frt. alld. E lb. .06½- —
extra fine, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse. or frt. alld. E lb. .06½- —
paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
rubber, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
Mica, wet-grd., wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, 1c. higher.
Milk powder, skimmed, roller, bbls., cl. lb. .15¾- —
spray, bbls., c.l. lb. .17½- —
whole, roller, bbls., c.l. lb. No prices.
spray, bbls., c.l. lb. .38 - .44¼
Sugar, crude, bgs., c.l., works, lb. .18 - —
edible, bgs., works, 30,000-lb. lots, works lb. .24 - —
2,000-lb. lots, works lb. .24¾- —
200-1,800-lb. lots, works lb. .25¼- —
Edible milk sugar in fib. dms., 1c. higher.
USP, fib. dms., 30,000-lb. lots, works lb. .29 - —
2,000-lb. lots, works lb. .29¾- —
200-1,800-lb. lots, works lb. .30¼- —
USP milk sugar in bgs., 1c lower.
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap, feed grade, tanks, New Orleans gal. .17½- .18
New York lb. .19¾- .20
Molybdenum metal, 90% Mo, powd., kgs. lb. 3.00 Nom.
Trioxide, pure, kgs., works, basis Mo. content lb. 1.35 - —
technical, kgs., works, basis Mo. content lb. 1.13 - 1.14
Monochlorobenzene, dms., c.l., frt. alld. or dlvd. E lb. .10½- .11½
l.c.l., same basis lb. .11½- .12½
tanks, same basis lb. .09 - .10
Monochlorobenzene prices in the West, 1¾c. higher.
Monoethanolamine, dms., c.l., dlvd. E. lb. .29¾- —
l.c.l., same basis lb. .30¾- —
tanks, same basis lb. .28 - —
Monoethylaminonaphthylamine, dms., works lb. .88 - —
amine, dms., c.l., dlvd. lb. .32 - —
l.c.l., dlvd. lb. .33 - —
tanks, dlvd. lb. .30¼- —
Monoethylamine, 70% contained
Monoethylanilin, dms., c.l., frt. alld. lb. .51 - .57
l.c.l., frt. alld. lb. .52 - .58
tanks, frt. alld. lb. .50 - .56
Monoethylorthotoluidin, bbls. lb. .80 - —
Monoisopropylamine, dms., c.l., frt. ald. E. of Rockies lb. .29½- —
l.c.l., same basis lb. .30½- —
tanks, same basis lb. .28½- —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .35 - —
l.c.l., same basis lb. .35½- .36
tanks, same basis lb. .31 - —
Monosodium nuoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate, monobasic.
Phosphate (see Sodium phosphate monobasic).
Mono-tertiary-butylmetacresol, dms., c.l., works lb. .49 - —
l.c.l., works lb. .50 - —
tanks, works lb. .48 - —
Morphine, cns. oz. 12.40 -12.60
Acetate, anhyd., cns oz. 9.95 -10.00
Hydrobromide, cns oz. 9.90 - 9.95
Hydrochloride, NF, cns oz. 9.90 - 9.95
Sulphate, USP, cns oz. 9.90 -10.05
Morpholine, dms., c.l., dlvd. E lb. .60¾- —
l.c.l., dlvd. E lb. .61¾- —
tanks, dlvd. E lb. .59 - —
Mullein flowers, cs lb. 1.15 - 1.20
Leaves, bls. lb. .21 - .25
Musk, natural, Tonquin grains, bots. oz. 40.00 -55.00
synthetic, ambrette, 100 lbs., fib. dms. lb. 5.60 - —
25 lbs., cns. lb. 5.70 - —
5 lbs., cns. lb. 5.85 - —
ketone, 100 lbs., fib. dms. lb. 5.35 - —
25 lbs., cns. lb. 5.45 - —
5 lbs., cns. lb. 5.60 - —
xylol, 100 lbs., fib. dms. lb. 1.60 - 1.75
25 lbs., cns. lb. 1.65 - 1.78
5 lbs., cns. lb. 1.80 - 1.90
Musk root, bls. lb. 1.60 - 1.65
Mustard seed, Calif., brown bgs., f.o.b. source lb. .12 - —
Dutch, yellow, bgs. lb. .10 - .12
Dutch, yellow, bgs lb. .09 - .11½
English, yellow, bgs. lb. .12 - .15
German, yellow, bgs lb. .17 - .17½
Montana, brown, bgs., f.o.b. source, Sept.-Oct. shipment lb. .07¼- —
oriental, bgs., source, Sept.-Oct. shipment lb. .07 - —
yellow, bgs. source, Sept.-Oct. shipment lb. .10 - —
Myrobalans, J1, ord. bgs., ex dock ton. 47.00 - —
assorted, ex dock ton. 48.50 - —
crushed, bgs., ex dock ton. 65.00 -66.00
J2, bgs., ex dock ton. No prices.

N

Naphtha, painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, tanks, frt. equald lb. .0625- .0700
78°, dms., c.l., same basis lb. .0765- .0840
l.c.l., same basis lb. .0790- .0865
tanks, same basis lb. .0675- .0750
refined, industrial, bbls., c.l., frt. equald lb. .11¾- —
bgs., c.l., same basis lb. .11¼- —
tanks, same basis lb. .10¾- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis. lb. .14½- —
cs., 50 lbs., c.l., same basis lb. .14¾- —
1-lb. pkgs., c.l., same basis lb. .17 - —
imported, crude, 78° large lots. lb. .04½- .05½
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 8.00
Neomycin, fib. dms., 100-kilo lots gm. .60 - —
1-kilo lots gm. 1.20 - —
Nepheline syenite, glass, 24 mesh, bulk, works ton. 14.25 - —
pottery, 200 mesh, bulk, works, N.Y. ton. 18.25 - —
Nepheline syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns. lb. 2.25 - 2.65
Niacin (see Acid nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd. lb. .60 - .60½
Carbonate, bbls., dlvd lb. .66¼- —
Chloride, bbls., dlvd lb. .34½- —
Cyanide, bots., dms. lb. 2.75 - 4.50
Formate, bbls., ton lots, frt. alld. lb. .58½- .59½
Metal, electro cathodes, cs., works lb. .56½- —
Nitrate, bbls., works lb. .33½- —
Oxide, black, bbls. lb. .63¼- —
Sulphate, bgs., c.l., dlvd lb. .26¼- —
l.c.l., dlvd lb. .26¾- —
Nicotinamide, USP, dms., frt. adjusted kilo. 12.00 -12.30
Hydrochloride, dms., frt. adjusted kilo. 11.50 -11.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs. dm. 49.40 - —
10-lb. tins, dealers, frt. alld. on cases of 6 tin. 10.85 - —
Nikethamide, cbys. lb. 7.50 - 8.00
Nitrobenzene, dbl. dist., dms., c.l., frt. alld. lb. .10½- .11¼
l.c.l., frt. alld. lb. .11½- .12½
tanks, frt. alld. lb. .09½- .10¼
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .33 - —
l.c.l., same basis lb. .34 - .36
18-25 cps., bbls., c.l. lb. .35 - —
l.c.l., same basis lb. .36 - .38
250-400, 600-1,000 secs., bbls., same basis lb. .42 - —
l.c.l., same basis lb. .43 - .45
spirit-soluble, 30-35 cps., ¼, ½, sec., bbls., c.l., same basis. lb. .45 - —
l.c.l., same basis lb. .46 - .48
5-6, 40-60 secs., bbls., c.l., same basis lb. .44 - —
l.c.l., same basis lb. .45 - .47
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.
Nitroethane, dms., dlvd. E. of Rockies, lb. .25 - —
Nitrogen solution, tanks, works, N. ton. 120.00 - —
Nitrogenous process tankage, bulk, works unit-ton. 8.00 Nom.
Sewage sludge, bulk, works unit-ton. 3.25+ 40
Nitromethane, dms., l.c.l., dlvd. E. of Rockies lb. .25 - —
Nitropropane 1, dms., dlvd., E. of Rockies lb. .23¼- —
2, dms., dlvd. E. of Rockies lb. .25 - —
Nonylphenol, dms., c.l., works lb. .33¼- —
l.c.l., works lb. .33¾- —
tanks, works lb. .32¼- —
Nutgalls, Aleppo, bgs lb. .38 - —
Chinese, bgs lb. .32 - —
Istrian, bgs lb. .31 - —
Nutmeg, East Indian, whole, cs. lb. .37 - —
shrivels, bgs lb. .36 - —
West Indian, bgs., afloat lb. .31 - .32
Nux vomica, bls lb. .10 - .12
powdered, bbls., bxs lb. .13 - .14

O

Octane, 100°-140°C., industrial grade, group 3, dms., c.l. gal. .18 - —
l.c.l. gal. .21 - .60
tanks gal. .15½- —
10°C., b.r., Bayonne, N. J., tanks, gal. .18 - —
Octanol, normal, tech., dms., c.l., dlvd. lb. .419 - —
l.c.l., dlvd. lb. .439 - —
tanks, dlvd. lb. .394 - —
Octyl methacrylate, normal, dms., less than truckload, works, lb. .83 - —
Octylphenol, dms., c.l., works lb. .26¾- —
l.c.l., works lb. .27¼- —
tanks, works lb. .25¾- —
Oil, ables siberica, cns lb. 3.30 - 4.25
Almond, artificial, bitter (see Benzaldehyde).
natural, bitter, F.F.A., bots lb. 2.95 - 4.75
NF, bots. lb. 2.85 - 3.75
sweet, USP, dms., cns lb. .85 - .90

PVO

CASTOR OIL

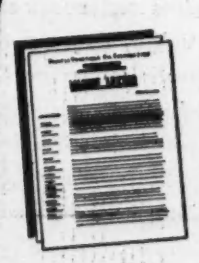
FOR NON-YELLOWING HIGH GLOSS PROTECTIVE COATINGS

Various grades of Castor Oil are noted for having the better attributes of other oils used in the protective coatings industry without at the same time having some of the shortcomings.

Dehydrated Castor Oils used in the varnish kettle make possible manufacture of top quality spars, at the same time giving good initial color as well as color retention.

Prime Cold Pressed (PCP) or Bleached Refined (BR) grades, when dehydrated in situ by the varnish maker, make possible good savings in raw material cost compared to Wood Oil cooks of similar type.

Blown Castor Oils are useful where light colored semi-drying compounds are to be formulated . . . caulking compounds, mastics, plasticizers for lacquers and synthetics. Several special blown grades make ideal hydraulic fluids with proper formulation.



PVO MARKET LETTER

We will be happy to send you this valuable analysis of week-by-week vegetable and marine oil market conditions. Just drop us a postcard with your name and address, or phone our nearest representative.

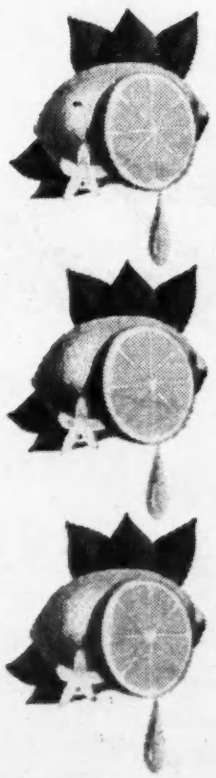
For price data and supplementary information please contact our San Francisco office or our nearest representative as listed below:

BALTIMORE—W. R. McClayton
BOSTON—Raw Materials Co.
CHICAGO—Daniel G. Herely Co.
CINCINNATI—Deeks & Miller, Inc.
CLEVELAND—The Donald McKay Smith Co.
DALLAS—W. W. Richerson Co.
DETROIT—Geo. E. Moser & Son, Inc.
HOUSTON—E. B. McCullough Co.
LOS ANGELES—California Flaxseed Products Co.
LOUISVILLE—B. H. Boyet & Co.
—Deeks & Miller, Inc.
MINNEAPOLIS—Horton-Earl Co.
MONTREAL—B. & S. H. Thompson Co.
NEW ORLEANS—Russell Chemical Co.
NEW YORK—Garrigues, Stewart & Davies, Inc.
PITTSBURGH—Emmett D. Griffin, Jr.
PHILADELPHIA—Baker Industrial Oil Co.
PORTLAND—W. Ronald Benson, Inc.
SEATTLE—W. Ronald Benson, Inc.
ST. LOUIS—Ivan T. Bauman Co.
TORONTO—B. & S. H. Thompson Co.

PVO OILS VARNISH PAINT &

61 TOWNSEND STREET • SAN FRANCISCO 7, CALIFORNIA

Oil, allspice (see Oil, pimento).			
Amyris, dms	lb.	1.80	- 2.00
Angelica root, bots	lb.	110.00	-120.00
seed, bots	lb.	90.00	-100.00
Anilin (see A).			
Anise, USP, Chinese, dms	lb.	1.90	- 2.35
Apricot kernel, USP, dms	lb.	.48	- .70
Avocado, cns., dms	lb.	No prices.	
Babassu, crude, tanks	lb.	No stocks	
Bay, NF, Puerto Rican, 50-55%, cns	lb.	1.55	- 1.90
55-60%, cns	lb.	1.65	- 2.10
West Indian, 50-55%, cns. dms	lb.	1.50	- 2.10
Bergamot, artif., cns	lb.	2.90	- 5.25
natural, NF, Italian, cns	lb.	15.00	-16.50
Birchtar, crude, cns	lb.	1.50	- —
rectified, NF, cns	lb.	2.65	- —
Bois de rose, Brazil, dms	lb.	4.15	- 4.70
Mexican (see Oil, lignaloe wood).			
Bone, dms., works	lb.	.65	- .70
Cajeput, redist., USP, cns	lb.	2.60	- 2.70
tech., dms	lb.	2.25	- 2.60
Calamus, cns	lb.	20.00	-28.00
Camphor sassafrassy, dms	lb.	.26	- .42
white, dms	lb.	.36	- .50
Cananga, native, cns	lb.	9.00	- 9.75
rectified, cns	lb.	10.90	-12.50
Capsicum (see Capsicum oleoresin).			
Caraway, NF, cns	lb.	3.75	- 4.75
Cardamom, NF, bots	lb.	45.00	-65.00
Cassia, USP, cns., dms	lb.	4.95	6.25
Castor, blown, dms., c.l.	lb.	.3200	- —
l.c.l.	lb.	.3250	- —
dehydrated, bodied, dms., c.l., cs.	lb.	.3510	- —
l.c.l.	lb.	.3560	- —
tanks	lb.	.3410	- —
unbodied, dms., c.l.	lb.	.3360	- —
l.c.l.	lb.	.3410	- —
tanks	lb.	.3260	- —
hydrogenated, bgs	lb.	.3725	- .3773
No. 1, Brazilian, tanks	lb.	.26½	- .27
USP, dms., c.l.	lb.	.3000	- —
l.c.l.	lb.	.3050	- —
tanks	lb.	.2900	- —
refined and deodorized, dms., c.l.	lb.	.3150	- —
l.c.l.	lb.	.3200	- —
tanks	lb.	.3050	- —
No. 3, tech., dms., c.l.	lb.	.2975	- —
l.c.l.	lb.	.3025	- —
tanks	lb.	.2875	- —
sulphonated, 50% (48% fat), dms., l.c.l	lb.	.17	- .17¼
75% (60-62% fat), dms., l.c.l.	lb.	.24	- .24½
Cedarleaf, cns., dms	lb.	2.30	- 2.75
Cedarwood, cns., dms	lb.	.55	- .65
Celeryseed, bots	lb.	16.50	-21.00
Chamomile, blue, Hungarian, bots.	lb.	250.00	-280.00
Chaulmoogra, NF, cns., dms	lb.	.55	- .70
Chinawood (see Oil, tung).			
Cinnamon bark, USP, bots	lb.	25.00	-60.00
leaf, Ceylon, bots	lb.	2.25	- 3.25
Citronella, Ceylon, cns., dms	lb.	.68	- 1.05
Java, true, cns	lb.	1.10	- 1.90
Java type, cns	lb.	.52	- 1.00
Clove, USP, from buds, cns., dms	lb.	7.25	- 8.50
Coconut, crude, tanks, New York	lb.	.10½ Nom.	
Pac. coast	lb.	.09½ Nom.	
refined, Cochin type, tax incl., ret. dms., l.c.l.	lb.	.17¼	- —
deodorized, tax incl., non-ret. dms., l.c.l.	lb.	.19¼	- —
Cod, Newfoundland, dms	lb.	.11½ Nom.	
Codliver, USP, dms	lb.	1.55	- 1.65
Copaiba, cns	lb.	2.10	- 3.00
Coriander, USP, bots	lb.	23.00	-32.50
Corn, crude, tanks, works	lb.	.12¼	- —
foots (soapstock), acid, 95%, tanks, N. Y.	lb.	.05	- —
raw, 50%, tanks, same basis.	lb.	.02¼	- —
refined, dms.	lb.	.17	- .17½
tanks	lb.	.15¼	- —
Costus, bots	oz.	16.50	-25.00
Cottonseed, crude, tanks, South-East	lb.	.12¾	- —
Valley	lb.	.12¾	- —
Texas	lb.	.12	- —
foots (soapstock), acid, 95%, tanks, N. Y.	lb.	.02¾	- —
raw, 50%, tanks, same basis.	lb.	.01½	- —
salad, dms.	lb.	.17¼	- .17½
tanks	lb.	.15¾	- —
Creosote (see Creosote, coaltar).			
Croton, cns	lb.	4.30	- 5.50
Crude (see Petroleum, crude).			
Cubeb, cns	lb.	5.50	- 6.75
Cumin, bots	lb.	5.00	- 6.00
Cypress, bots	lb.	No stocks.	
Degras (see D).			
Dillseed, India, bots	lb.	3.35	- —
Dillweed, domestic, bots., dms.	lb.	3.60	- 4.05
Dip (see D).			
Erigeron, cns	lb.	6.50	- 7.50
Eucalyptus, NF, rectified, 80-85%, dms	lb.	1.10	- 1.50
70-75%, dms	lb.	.95	- 1.40
Fennel, sweet, USP, cns	lb.	2.50	- 3.00
Fir, Canada, cns	lb.	2.65	- 3.40
Fish, refined, alkali, dms	lb.	.1410	- —
kettle-bodied, dms	lb.	.1610	- —
light-pressed, dms	lb.	.1260	- —
tanks	lb.	.1100	- .1120
Fishliver, crude, for feeds for concentrating, 4,000 to 12,000 A units per gm., dms., 1,000,000 units.		.12	- .13½
10,000 to 20,000 A units per gm., dms 1,000,000 units.		.12	- .12½
25,000 to 35,000 A units per gm., dms 1,000,000 units.		.12	- .12½
40,000 to 55,000 A units per gm., dms 1,000,000 units.		.12	- .13
prime, nat. or conc., 100,000 A units per gm., dms. 1,000,000 units.		.13	- —
200,000 A units per gm., dms. 1,000,000 units.		.15	- —
300,000 A units per gm., dms. 1,000,000 units.		.15	- —
400,000 A units per gm., dms. 1,000,000 units.		.15	- —
500,000 A units per gm., dms. 1,000,000 units.		.15	- —
Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.			
Fusel (see F).			
Garlic, pure, bots	oz.	6.50	- 8.00
Gaultheria (see Oil, wintergreen).			
Geranium, Algerian, cns	lb.	14.00	-26.00
Bourbon, cns	lb.	13.50	-17.50
Turkish (see Oil, palmarosa).			
Ginger, dist., bots	lb.	15.00	-18.50
Grapefruit, dms	lb.	2.25	- 2.75
Grease, No. 1, dms	lb.	.10½	- .12¼
extra, winter, strained, dms	lb.	.13	- .13½
prime, burning, dms	lb.	.13½	- .15
Guaiacwood, cns	lb.	1.80	- 2.10
Hemlock, cns	lb.	2.10	- 2.50
Juniper berry, NF, VIII, bots	lb.	2.50	- 2.75
twice rectified, bots	lb.	3.60	- 7.00
Tar, NF (see Juniper tar).			
Wood, tech., cns	lb.	.65	- 1.00
Lard (see Oil, grease).			
Laurel, dms., cns	lb.	9.75	12.50
Lavandin, dms., cns	lb.	2.80	- 4.50
Lavender, flower, USP, French, 30-32% ester, cns	lb.	3.00	- 4.75
38-40% ester, cns	lb.	4.75	- 6.75
40-42% ester, cns	lb.	5.75	- 7.75
Spike, Spanish, cns	lb.	1.50	- 2.00
Lemon, USP, Calif., cns., dms	lb.	5.85	- 6.00
Messina, cns	lb.	5.85	-16.75
Lemongrass, cns., dms	lb.	1.35	- 1.50
Lignaloe wood, Mexican, cns	lb.	3.75	- 4.80
Oil, lime, distilled, Mexican, cns.	lb.	7.35	- 8.25
West Indian, cns	lb.	7.50	- 8.50
expressed, West Indian, cns	lb.	7.35	- 9.25
terpeneless, bots	lb.	45.00	-65.00
Linseed, raw, dms., c.l., N.Y.	lb.	.1790	- —
l.c.l.	lb.	.1850	- .1875
tankcars, f.o.b. Minneapolis	lb.	.1500	- —
New York	lb.	.1625	- —
tankwagon, N. Y.	lb.	.1655	- —
Boiled, linseed oil, .006c. per lb. higher.			
Mace, dist., cns., dms	lb.	3.50	- 5.25
Mandarin, Floridian, dms	lb.	4.00	- 5.00
Italian, cns	lb.	7.50	-12.00
Menhaden, crude, tanks, Balto	lb.	.07	- —
Mineral, white (see Oil, white, mineral).			
Mirbane (see Nitrobenzene).			
Mustard seed, expressed, dms	lb.	.19¼	- .19¾
synthetic, cns., dms	lb.	1.70	- 1.85
Neatsfoot, 15°, dms	lb.	.33	- .34
20°, dms	lb.	.32	- .33
30°, dms	lb.	.30	- .31
Neroli, NF, French, bots	lb.	195.00	-210.00
Haitian, bots	lb.	90.00	- —
Nutmeg, USP, dist., East Indian, cns., dms	lb.	3.75	- 4.50
West Indian, cns., dms	lb.	3.40	- 4.00
Ocotea cymbarum, dms	lb.	.65	- 1.05
Oiticica, liquid, dms	lb.	.24½	- .25
tankcar	lb.	.23	- .23½
Oleo, extra, dms	lb.	.15	- 15½
Olibanum, bots	lb.	5.50	- 7.65
extra fine, bots	lb.	8.00	- —
Olive, commercial, dms	lb.	2.00	- 2.05
edible, dms., duty paid	lb.	2.15	- 2.25
foots, dms	lb.	.16	- .16½
Orange, sweet, dist., cns	lb.	.85	- 1.10
expressed, USP, Brazilian, cns., dms	lb.	No stocks.	
Calif., cns	lb.	1.80	- 2.75
Florida, cns., dms	lb.	1.80	- 2.25
Messina, cns	lb.	4.00	- 5.85
West Indian, cns	lb.	2.75	- 3.35
sesquiterpeneless, bots	lb.	175.00	-180.00
Oil, origanum, Spanish, cns	lb.	2.15	- 2.75
Palm, clarif., dms	lb.	.12¾	- —
tankcars (sellers)	lb.	.11½	- —
Palmarosa, cns	lb.	7.00	- 9.00
Paraffin, pale, 100-110 vis., at 100°F tanks, East Coast refinery	gal.	.14	- —
Patchouli, dms	lb.	7.25	-14.75
Peach kernel, USP (see Oil, apricot kernel).			
Peanut, crude, tanks, Southeast.	lb.	.16	- —
refined, dms.	lb.	.20½	- .21
tanks	lb.	.19	- —
Pennyroyal, USP, imported, cns	lb.	2.20	- 4.00
Peppermint, natural, dms	lb.	6.80	- 7.85
redist, USP, dms	lb.	7.40	- 8.30
Persic, USP (see Oil, apricot kernel).			
Perilla, crude, dms	lb.	No stocks.	
Petitgrain, Paraguay, cns	lb.	2.65	- 3.25
Pimento berry, NF, dms	lb.	4.50	- 5.75
leaf, cns	lb.	2.55	2.85
Pine, dest., dist., dms., extra, c.l., works	gal.	75½	—
l.c.l.	gal.	76½	—
whse.	gal.	95½	—
steam dist., dms., ex whse., N.Y.C	lb.	.127	.123
Pineneedle, Siberian (see Oil, abies siberica).			
Putty, petroleum, dms., c.l., dlvd.	lb.	.11	- —
l.c.l., same basis	lb.	.12	- —
tanks, same basis	lb.	.10	- —
Rapeseed, tankcars	lb.	.18½ Nom.	
Red (see Acid, oleic).			
Rice, bran, clarif., dms	lb.	.16½	- .17
crude, tanks, dlvd. E	lb.	.12½	- —
refd., salad, tanks, dlvd. E	lb.	No stocks.	
Rose, natural, Bulgarian, bots	oz.	42.25	-62.25
Rosemary, Spanish, tech., cns., dms	lb.	.50	- .90
USP, cns., dms	lb.	.90	- 1.10
Rue, bots	lb.	2.25	- 2.65
Oil, safflower, dms., c.l., works	lb.	.16	- —
tanks, works	lb.	.15	- —
Sage, clary, bots	lb.	22.50	-23.00
Dalmatian, cns	lb.	10.20	-10.75
Spanish, cns	lb.	1.00	- 1.40
Sandalwood, NF, cns	lb.	9.50	-13.50
Sardine, crude, tanks, Pac. coast.	lb.	No stocks.	
Sassafras, artificial, dms	lb.	.55	- .95
natural Brazilian (See Oil, ocotea cymbarum), domestic, USP, cns., dms	lb.	1.80	- 2.20
Savin, cns	lb.	2.75	- 3.00
Savory, cns.	lb.	No stocks.	
Sesame, refd., dms., l.c.l	lb.	.37	- .38
Shingle stain, tar distillate, dms., c.l., works	lb.	.31	- —
l.c.l., works	lb.	.33	- —
tanks, works	lb.	.21	- —
Snakeroot, Canada, cns	lb.	31.00	-35.00
Soybean, crude, tanks, mills	lb.	.11½	- —
foots (soapstock), acid, 95%, tanks, N. Y.	lb.	.05½	- —
raw, 50%, tanks, N. Y.	lb.	.02¼	- —
refined, alkali, dms., c.l.	lb.	.15¾	- —
l.c.l.	lb.	.15¾	- .16¼
tanks	lb.	.13¾	- —
clarified, dms., c.l.	lb.	.14¾	- —
l.c.l.	lb.	.15¼	- .15¾
tanks	lb.	.13¼	- —
salad, dms.	lb.	.15¼	- .15¾
tanks	lb.	.13¾	- —
Spearmint, USP, dms	lb.	8.25	- 8.90
Sperm, bleached, winter, 45° dms	lb.	.1630	- .1660
tankcars	lb.	.1520	- —
natural, winter, 45°, dms	lb.	.1510	- .1560
tankcars	lb.	.1400	- —
Spruce, cns., dms	lb.	2.10	- 2.50
Sweet birch, USP, Northern, cns.	lb.	4.95	8.00
Southern, cns	lb.	2.00	- 3.50



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Oil, tall, crude, tanks, works	lb.	.03 -	.03¼
refined, dms., c.l., works	lb.	.06½-	.07½
l.c.l. works	lb.	.06¾-	.07¾
tanks, works	lb.	.05¼-	.06¼
Tallow, acidless, dms	lb.	.10 -	.10½
Tansy, dms	lb.	8.25 -	9.00
Tar, pine, com'l. dms., extra, c.l., works	lb.	.0488-	—
l.c.l., works	lb.	.0545-	—
whse.	lb.	.0655-	—
tanks, works	lb.	.041 -	—
rectified, N.F., l.c.l., dms. extra, works, South	gal.	.67 -	—
whse. N.Y.C.	gal.	.77 -	—
Tar acid (see T).			
Theobroma (see Cocoa butter).			
Thyme, NF, red, cns., dms	lb.	1.90 -	3.75
white, cns	lb	2.25 -	4.00
Tung, dom., tanks, mills	lb.	No stocks.	
imported, dms., c.l.	lb.	.41 -	—
l.c.l.	lb.	.41½-	.41¾
tanks	lb.	.39¾-	.39½
Turkey red (see Oil, castor, sulphonated).			
Turpentine, NF, cns., dms	lb.	32 -	.65
Vetiver, Bourbon, cns	lb.	23.00	-30.00
Haitian, cns	lb.	18.75	-26.00
Java, cns	lb.	35.00	- —
Wheat germ, p-gal. dms	gal.	14.00	-13.00
White mineral, tech., 50-65% vis., dms., c.l.	gal.	.51½-	.54½
l.c.l.	gal.	.56½-	.57½
65-75 vis., dms	gal.	.52½-	.55½
l.c.l.	gal.	.57½-	.58½
NF, 80-90 vis., dms., c.l.	gal.	.53½-	.56½
l.c.l.	gal.	.58½-	.59½
125-135 vis., dms., c.l.	gal.	.59½-	.62½
l.c.l.	gal.	.64½-	.65¼
145-155 vis., dms., c.l.	gal.	.66 -	.68½
l.c.l.	gal.	.71 -	.71½
175-185 vis., dms., c.l.	gal.	.69½-	.73
l.c.l.	gal.	.74½-	.76
Oil, white mineral, USP, 200-210 vis., dms., c.l.	gal.	.72½-	.75
l.c.l.	gal.	.77½-	.78
345-355 vis., dms., c.l.	gal.	.77 -	.80
l.c.l.	gal.	.83 -	.85
Wintergreen, USP, nat., Northern, cns.	lb.	5.75	-14.50
Southern, cns	lb.	3.25	-19.50
synthetic (see Methyl salicylate).			
Wood (see Oil, tung).			
Wormseed, cns	lb.	8.50 -	9.00
Wormwood, cns	lb.	6.00 -	7.50
Ylang-ylang, Bourbon, bots	lb.	18.00	-30.00
extra, bots	lb.	39.00	-40.00
Madagascar, bots	lb.	No stocks.	
Oleostearin, bbls	lb.	.14½-	.15
Olivine aggregate, c.l., mines	ton.	7.00 -	9.50
crushed 8 mesh, bulk, c.l. works	ton.	10.00 -	—
paper, bgs, c.l., works	ton.	12.00 -	—
Opium, USP, cns	lb.	19.20	-19.45
gran., USP, cns	lb.	21.65	-21.90
powd., USP, cns	lb.	21.65	-21.90
Orange, cadmium, lithopone, bbls., frt. alld. E. of Rockies	lb.	1.65 -	—

Chrome, CP, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., include Davenport, Tenn. and N. C. E. of Minneapolis, Rock Island, St. Louis, St. Paul. .29¼- —

Chrome orange prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport), 1¼c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex., 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Dinitroanilin toner	lb.	1.30 -	—
Orange mineral, American, bbls., l.c.l., ship't point, frt. alld.	lb.	.2210-	—
Molybdated, bbls	lb.	.41¾-	—
Orthonitroanilin toner, kgs	lb.	1.15 -	—
Persian, bbls	lb.	.65 -	—
Orange flowers, bls	lb.	.12 -	.15
Peel, bitter, Haitian, bls	lb.	.11 -	.14
sweet, bls	lb.	.14 -	.16
Oregano, Italian, bgs	lb.	.18 -	.18½
Mexican, bgs	lb.	.15 -	.15½
Portuguese, bgs	lb.	.16 -	.16½
Orris root, Florentine, bls	lb.	.20 -	.22
powdered, bbls., bxs	lb.	.25 -	.26
Verona, bls	lb.	.14 -	.15
powdered, bbls., bxs	lb.	.19 -	.24
Orthoaminobiphenyl, dms., c.l., works	lb.	.32½-	—
l.c.l., same basis	lb.	.33 -	—
tanks, same basis	lb.	.37 -	—
Orthoanisidin, bbls	lb.	.88 -	—
Orthochloroanilin, dms., c.l.	lb.	.65 -	—
l.c.l.	lb.	.67 -	—
Orthochlorobenzaldehyde, dms., works	lb.	1.18 -	—
Orthochloroparanitroanilin, dms., dlvd.	lb.	.86 -	—
Orthochlorophenol dms., c.l., frt. equald	lb.	.34½-	—
l.c.l., same basis	lb.	.35½-	—
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald	lb.	.196 -	—
l.c.l., same basis	lb.	.201 -	—
ret. dms., c.l., same basis	lb.	.195 -	—
l.c.l., same basis	lb.	.20 -	—
29° C, non-ret. dms., c.l., same basis	lb.	.188 -	—
l.c.l., same basis	lb.	.191 -	—
ret. dms., c.l., same basis	lb.	.185 -	—
l.c.l., same basis	lb.	.19 -	—
24-29° C, non-ret. dms., c.l., same basis	lb.	.178 -	—
l.c.l., same basis	lb.	.181 -	—
tanks, same basis	lb.	.165 -	—
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.11¾-	.13¼
l.c.l., same basis	lb.	.12¾-	.14¼
tanks, same basis	lb.	.10¼-	.11¾
Orthoisopropyl N phenylcarbamate (see IPC).			
Orthonitroanilin, dms	lb.	.50 -	.56
Orthonitrochlorobenzene, dms	lb.	.20 -	.21
Orthonitrobiphenyl tech., dms., c.l., works	lb.	.14½-	—
l.c.l., works	lb.	.15 -	—
tanks, works	lb.	.13 -	—
Orthonitroparachlorophenol, cns	lb.	.75 -	—
Orthonitrophenol, bbls. works	lb.	.94 -	—
Orthonitrotoluene, dms., c.l., frt. alld.	lb.	.10 -	—
l.c.l., frt. alld	lb.	.11 -	—
tanks, frt. alld	lb.	.09 -	—
Orthophenetidin, dms., works	lb.	1.00 -	—
Orthophenylphenol, fib. dms., works.	lb.	.20 -	.44
Ortho-tertiary-amylyhenol, dms., c.l., works	lb.	.43¾-	—
l.c.l., works	lb.	.46¾-	—
tanks, works	lb.	.41¾-	—
Orthotoluidin, dms., c.l., works	lb.	.23 -	—
l.c.l., same basis	lb.	.24 -	—
tanks, same basis	lb.	.22 -	—
Osage orange, crystals, No. 1, bbls., l.c.l	lb.	.40 -	—
extract, liquid, No. 1, bbls., l.c.l	lb.	.19 -	—
Orthotolidin (see Tolidine Base).			
Ouabaine, USP, bots	gram.	3.00 -	4.00
Ox gall, dried, gran. or powd., dms., 5 lbs. or more	lb.	4.35 -	—
Oxyquinolin sulphate, cns., 100-lb. lots, works	lb.	4.75 -	5.00
smaller lots, works	lb.	5.28 -	5.38

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Pancreas substance, assay 1:75 bots.	lb.	5.75 -	6.25
Pancreatin, USP, bots	lb.	2.50 -	3.00
Panthenol, bots., works, frt. adjust.	kilo.	80.00 -	—
Papain, powd., African, dms	lb.	6.45 -	9.00
Ceylon, dms	lb.	5.50 -	6.00
Papaverine, natural or synthetic hydrochloride, USP, cns., 1,000 oz., lots	oz.	3.70 -	—
smaller lots	oz.	5.00 -	—
Sulphate, cns	oz.	7.10 -	7.35
Para-anisidin, dms., works	lb.	.88 -	—
Paprika, Algerian, bgs	lb.	.27 -	.28
Czech, bgs	lb.	.23 -	.24
Moroccan, bgs	lb.	.23 -	.24
Spanish, bgs., new crop	lb.	.32 -	.36
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted	lb.	17.50	-21.00
Para-aminophenol, dms., frt. alld	lb.	.97 -	.98
Parachloroanilin, dms., frt. alld., E. of Miss	lb.	.75 -	—
Parachlorobenzaldehyde, dms., works.	lb.	1.34 -	1.37
Parachloro-orthonitroanilin, dms., frt. alld	lb.	.73 -	.82
Parachlorophenol, dms., c.l., frt. equald	lb.	.34½-	—
l.c.l., same basis	lb.	.35½-	—
Paracresol, 98%, dms., dlvd	lb.	.50 -	—
Methylether, cns	lb.	2.15 -	2.50
Paracymene, dms., works, 50 gals. or more	gal.	2.50 -	—
smaller lots	gal.	3.00 -	—
Paradibromobenzene, bgs., 500-lb. lots.	lb.	.85 -	—
Paradichlorobenzene, dms., c.l., works	lb.	.14½-	—
l.c.l., same basis	lb.	.17 -	—
Paraffin, crude, scale, white, 120 AMP, solid, ctns., bbls. c.l., ref'y	lb.	.07 -	—
tanks, same basis	lb.	.06 -	—
Paraffin, fully refined, 122-124 ASTM, loose, c.l., refy	lb.	.0745-	—
125-127 ASTM, loose, c.l., ref'y.	lb.	.0745-	—
130-132 ASTM, loose, c.l., ref'y.	lb.	.0755-	—
132-134 ASTM, loose, c.l., ref'y.	lb.	.0755-	—
135-137 ASTM, loose, c.l., ref'y.	lb.	.0755-	—

Prices for paraffin in bags and ctns., c.l., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs., 3.7c. per lb. higher.

Paraformaldehyde, tech., 91%, powd., bgs., c.l., frt. alld.	lb.	.15½-	—
l.c.l., frt. alld	lb.	.17 -	—
91%, flake, bgs., c.l., frt. alld.	lb.	.12 -	—
l.c.l., frt. alld	lb.	.13½-	—
USP X, fib. dms., c.l., dlvd. N.Y.C.	lb.	.198 -	—
10,000-lb. lots	lb.	.198 -	—
1,000-lb. lots	lb.	.198 -	—
smaller lots	lb.	.208 -	—
Paraldehyde, tech., 55-gal. dms., c.l., works	lb.	.16½-	—
l.c.l., works	lb.	.17½-	—
tanks, works	lb.	.15 -	—
Paranitroanilin, dms., c.l., works, frt. alld	lb.	.47½-	—
l.c.l., works, frt. alld	lb.	.50½-	—
Paranitrochlorobenzene, kgs., works.	lb.	.21 -	.22
Paranitrophenol, kgs., works, frt. equald	lb.	.46 -	—
Paranitrotoluene, kgs., frt. alld	lb.	.36 -	—
Paraphenetidin, dms., works	lb.	.90 -	—
Paraphenylenediamine, redistilled, dms., works	lb.	2.30 -	2.80
tech., refd., dms., same basis	lb.	1.10 -	1.30
Paraphenylphenol, bgs., c.l., works.	lb.	.37½-	—
l.c.l., same basis	lb.	.42 -	—
Para-tertiary-butylphenol, bgs., c.l., works	lb.	.27½-	—
l.c.l., same basis	lb.	.28½-	—
Parathion, spray powder, 15%, dealers, tins	lb.	.53 -	.59
tech., dms., works	lb.	1.50 -	—
Para-tertiary-amylphenol, ctns., c.l., works	lb.	.26 -	—
l.c.l., works	lb.	.27 -	—
tanks, works	lb.	.25 -	—
Paratoluenesulphonamide, flake, bbls., frt. alld	lb.	.54 -	.66
powd., bbls., works	lb.	.70 -	—
solid, bbls., frt. alld	lb.	.61 -	—
Paratoluidin, flake, bbls., frt. alld.	lb.	.64 -	.68
solid, bbls., frt. alld	lb.	.61 -	—
Pareira brava root, whole, bgs	lb.	.30 -	.35
ground, bxs	lb.	.40 -	.48
powder, bxs	lb.	.43 -	.50
Paris green, dealer, distributor, dms., c.l., works, frt. alld. on 96 lbs. or over	lb.	.35 -	.36
l.c.l., same basis	lb.	.39 -	.47
Passion flower herb, bls	lb	.25 -	.34
Peanut meal, 45%, sacked, mills.	ton.	93.00	-94.00
Pectin, citrous, NF, powd., bbls.	lb.	2.05 -	2.06
tech., powd., bbls	lb.	1.50 -	—
Penicillin, crystalline potassium, unlabeled vials, 100,000 units.	vl.	.10 -	—
200,000 units	vl.	.12¾-	—
500,000 units	vl.	.22½-	—
1,000,000 units	vl.	.38 -	—
Penicillin, potassium, bulk, sterile, over 25,000,000,000 unit lots, 100,000 units.		.018 -	.020
tablet grade, over 25,000,000,000 unit lots, 100,000 units.		.021¼-	—
Procaine, bulk, over 25,000,000,000-unit lots 100,000 units.		.019 -	.025

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Penicillin sodium, unlabeled, vials, 100,000 units	vl.	.10½	—
200,000 units	vl.	.13¼	—
500,000 units	vl.	.23¾	—
1.000.000 units	vl.	.40	—
2.000.000 units	vl.	1.03	—
bulk, over 25,000,000,000 unit lots 100,000 units		.02½	—
Pennyroyal herb, bis	lb.	.45	.50
Pentachlorophenol, dms., c.l., works, frt. equald	lb.	.21	—
l.c.l., same basis	lb.	.24	.29
truckload, 20,000 lbs. min. same basis	lb.	.21¼	—
Pentaerythritol, tech., bgs., c.l., works	lb.	.33	—
l.c.l., works	lb.	.34	.36
Di- and -tri-isomers (see Dipentaerythritol and Tripentaerythritol).			
Pentane, industrial tanks, group s.	gal.	.12	.13½
Pepper, black, spot, bags	lb.	1.83	—
red, Carolina, longs, bgs	lb.	.30	.31
Haitian, bgs	lb.	.25	.26
Japanese, hontakas, bgs	lb.	.34	.35
birdseyes, bgs	lb.	.41	.42
Louisiana longs, bgs	lb.	.30	Nom.
Mississippi sports, bgs., source, new crop	lb.	.30	Nom.
Mombasa, bgs	lb.	.46	.46½
Nigerian, caps, bgs	lb.	.30	.31
Sierra Leone, bgs	lb.	.43	.44
Turkish, bgs	lb.	.26	.27
White, bags	lb.	1.98	—
Peppermint leaves, USP, dms., bls.	lb.	.50	.52
imported, bls	lb.	.80	.90
Pepsin, NF, 1:3 000 bulk, containers	lb.	3.75	3.90
Perchloroethylene, dms., c.l., or truckloads, works	lb.	.11	—
dlvd. E	lb.	.12	—
l.c.l., works	lb.	.11¾	—
dlvd. E	lb.	.12½	—
tanks, works	lb.	.10½	—
Peru balsam, dms	lb.	1.50	2.15
Petrolatum, amber, dms., c.l., refy.	lb.	.04¾	.05⅜
l.c.l., dlvd.	lb.	.06½	—
tanks, refy	lb.	.03½	.04⅛
cream, dms., c.l., refy	lb.	.06	.07⅛
l.c.l., dlvd.	lb.	.08¼	—
tanks, refy	lb.	.04¾	.05⅛
extra, amber, dms., c.l., refy.	lb.	.05	.05⅛
l.c.l., dlvd.	lb.	.06¾	—
tanks, refy	lb.	.03¾	.04⅛
USP, white, lily, dms., c.l., refy.	lb.	.06¾	.07½
l.c.l., dlvd	lb.	.08¾	—
tanks, refy	lb.	.05½	.06
soft, dms., c.l., refy	lb.	.06⅝	.07¾
l.c.l., dlvd.	lb.	.08¼	—
tanks, refy	lb.	.05⅝	—
snow, dms., c.l., refy	lb.	.06⅞	.08
l.c.l., dlvd.	lb.	.09¼	—
tanks, refy	lb.	.05⅝	.06½
yellow, soft, dms., c.l., refy.	lb.	.05	.05⅛
l.c.l., dlvd.	lb.	.06¾	—
tanks, refy	lb.	.03¾	.04⅛
Petroleum, crude, bulk, at wells, California	bbl.	1.10	2.90
Illinois	bbl.	2.44	2.87
Kentucky	bbl.	2.42	2.83
Louisiana-Arkansas	bbl.	2.08	2.90
Montana	bbl.	1.23	2.775
Oklahoma-Kansas	bbl.	2.16	2.65
Pennsylvania lower field	bbl.	3.82	—
Upper field	bbl.	4.25	—
Texas, East	bbl.	2.65	—
Gulf coast	bbl.	2.38	2.93
North, North-Central	bbl.	2.23	2.65
Panhandle	bbl.	2.23	2.65
West	bbl.	2.33	2.65
Wyoming	bbl.	1.28	2.675
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery	bbl.	1.95	2.15
light, tanks, refinery	bbl.	2.00	2.25
eastern, tanks, Albany, N. Y.	bbl.	2.80	—
Baltimore, Md.	bbl.	2.48	—
Boston, Mass.	bbl.	2.51	—
Charleston, S. C.	bbl.	2.34	—
Jacksonville, Fla.	bbl.	2.31	—
N. Y. Harbor	bbl.	2.45	—
Norfolk, Va.	bbl.	2.43	—
Philadelphia, Pa.	bbl.	2.48	—
Portland, Me.	bbl.	2.54	—
Providence, R. I.	bbl.	2.47	—
Savannah, Ga.	bbl.	2.34	—
Diesel, tanks, refinery, California	gal.	.0825	.115
Pennsylvania	gal.	.0925	.0975
Furnace, tanks, refinery, Arkansas, No. 2	gal.	.08375	—
No. 3	gal.	.08	—
N. Y. Harbor, No. 2—gal.		.091	—
group 3, No. 1	gal.	.08625	.09125
No. 1, straw	gal.	.09	.09375
No. 2, straw	gal.	.08375	.08750
range	gal.	.08875	.0925
Pennsylvania, western, No.1,	gal.	.1075	.11625
ern, No. 1	gal.	.1075	.11625
ern, No. 1	gal.	.1075	.11625
No. 2	gal.	.1025	.1075
No. 3	gal.	.1025	—
Lacquer diluent, California, 170-225 F., b.r., tanks, ex tax, f.o.b. Los Angeles	gal.	.167	.207
East coast, tanks, N. J. and N. Y. refinery	gal.	.13	—
group 3, benzol-type, tanks, refinery	gal.	.13125	.13625
toluol-type, tanks, refinery	gal.	.12125	.12625
Mineral spirits, regular, California, tanks, ex tax, f.o.b. San Francisco	gal.	.147	.157
East coast, tanks, N.J., N.Y.	gal.	.16	—
Group 3, tanks	gal.	.10875	—
tankwagon, Baltimore	gal.	.175	—
Boston	gal.	.18	—
Buffalo	gal.	.185	—
Newark	gal.	.17	—
New York	gal.	.165	.17
Philadelphia	gal.	.165	—
Pittsburgh	gal.	.19	—
Providence	gal.	.185	—
Rochester	gal.	.20	—
Syracuse	gal.	.21	—
Washington, D. C.	gal.	.195	—
specially refined, California, tanks	gal.	.182	—
dlvd., E. of Rockies, tanks,	gal.	.30538	—
tankwagon, f.o.b. Carteret, N. J.	gal.	.336	—
Naphtha, cleaners, East Coast, tanks, N. J. and N. Y. refinery	gal.	.16	—
Group 3, tanks	gal.	.11375	—
tankwagon, Newark	gal.	.17	—
New York	gal.	.17	—
Philadelphia	gal.	.165	—
high flash, 140°, group 3, refinery, tanks	gal.	.134	.1425
high-solvency, 200-235 b.r., 37-38° C., mixed anilin pt., tanks, refinery or East Coast	gal.	.25½	—
25-26° C., m.a.p., tanks, same basis	gal.	.24	.30½
270-370 b.r., 78-81° C., m.a.p., tanks, same basis	gal.	.29	—
49° C., m.a.p., tanks, same basis	gal.	.33	—
26-27° C., m.a.p., tanks, same basis	gal.	.24	.33
Petroleum naphtha, high-solvency, tanks, same basis	gal.	.24	.30½
340-410 b.r., 36° C., m.a.p., tanks, same basis	gal.	.24	—
32° C., m.a.p., tanks, same basis	gal.	.24	.30½
27° C., m.a.p., tanks, same basis	gal.	.34½	—
350-425 b.r., 32° C., m.a.p., tanks, same basis	gal.	.30½	.31½
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles,	gal.	.152	—
Portland, Ore	gal.	.158	—
San Francisco	gal.	.157	—
Seattle, Wash	gal.	.158	—
East coast, N. J., N. Y., tanks	gal.	.17	—
Group 3, tanks	gal.	.11875	—
tankwagon, Boston	gal.	.195	—
Newark	gal.	.165	—
New York	gal.	.185	—
Philadelphia	gal.	.180	—
Pittsburgh	gal.	.20	—
Solvent, rubber, California, tanks, ex tax, San Francisco	gal.	.157	—
East coast, N. J., N. Y	gal.	.17	—
Group 3, tanks	gal.	.11875	—
Stoddard, California, tankwagon, ex-tax, Los Angeles	gal.	.157	.197
East coast, N. J., N. Y., tanks	gal.	.16	—
Group 3, tanks	gal.	.11375	—
Pennsylvania, western, tanks	gal.	.17	—
tankwagon, Boston	gal.	.18	—
Newark	gal.	.17	—
New York	gal.	.17	—
Philadelphia	gal.	.165	.17
Pittsburgh	gal.	.19	—
Syracuse	gal.	.21	—
Petroleum sulphonate, 70% sulphonic content, non-ret. dms., c.l., works	lb.	.2040	—
l.c.l., works	lb.	.2065	—
tanks, works	lb.	.1850	—
60-62% sulphonic content, non-ret. dms., works	lb.	.18	.20
l.c.l., works	lb.	.19	.20¼
tanks, works	lb.	.155	—
50-55% sulphonic content, non-ret. dms., works	lb.	.16	—
l.c.l., works	lb.	.17	—
tanks, works	lb.	.135	—
Phenobarbital, USP, dms., 100 lbs	lb.	4.50	4.70
Phenobarbital-sodium, USP, dms	lb.	4.50	4.70
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. E. of Rockies,	lb.	.19	.20½
l.c.l., same basis	lb.	.19¾	.21½
tanks, same basis	lb.	.17¼	.18¾
82-84% (cresol 16-18%), dms., c.l., same basis	lb.	.19	.20½
l.c.l., same basis	lb.	.19¾	.21½
tanks, same basis	lb.	.17¼	.18¾
USP, synthetic, dms., c.l., same basis	lb.	.21	.21¼
l.c.l., same basis	lb.	.21¾	.22
tanks, same basis	lb.	.19¼	.19¼
tar, distilled, dms., c.l., same basis	lb.	.19	.21
l.c.l., same basis	lb.	.19¾	.21¾
tanks, same basis	lb.	.17¼	.19¼
Phenolphthalein, USP, or yellow bbls., dms., 2.000-lb. lots.	lb.	1.10	—
smaller lots	lb.	1.12	1.17
Phenothiazin, NF, 6b. dms., c.l., frt. adjusted	lb.	.50	—
over 2.100 lbs., same basis	lb.	.52	—
less than 2.100 lbs., same basis.	lb.	.54	—

Penicillin Sodium—Phosphate Rock, Curacao

Phenyl acetate, dms., 100 lb. lots. works	lb.	.50	—
Salicylate (see Salol)			
Phenylacetaldehyde solution, 50%, bots	lb.	2.40	2.70
100%, bots	lb.	4.00	4.65
Phenylacetamide 125-lb. dms., works,	lb.	1.10	—
smaller dms., works	lb.	1.15	1.19
Phenylalamine dextro-laevo, dms., works	lb.	27.00	37.50
Phenylcarbethoxy pyrazolone, 250-lb. fib. dms., dlvd. E.	lb.	3.60	—
less than 250-lb. dms., dlvd. E	lb.	4.00	—
Phenyldiethanolamine, dms., c.l., frt. alld	lb.	.40	—
l.c.l., frt. alld	lb.	.36	.41
Phenylethanolamine, dms., c.l., works	lb.	.69½	—
l.c.l., same basis	lb.	.70	—
Phenylethyl acetate dms	lb.	1.50	1.90
Phenylethylphenyl acetate, bots	lb.	4.05	4.50
Phenylhydrazin base, CP, bots	lb.	2.00	3.07
Hydrochloride, commercial, kgs., works	lb.	1.75	—
CP, bots., works	lb.	5.12	—
Phenylmethylpyrazolone, (see Methylphenylpyrazolone).			
Phloroglucinol, com'l., fib. dms., works	lb.	6.40	—
C.P., bots., fib. dms	lb.	16.00	17.75
tech., fib., dms works	lb.	10.45	—
Phosgene, 150-lb cyls., works	lb.	.27½	—
Phosphate defluorinated (see under D)			
Phosphate rock, Curacao, Atlantic ports	ton.	40.00	—

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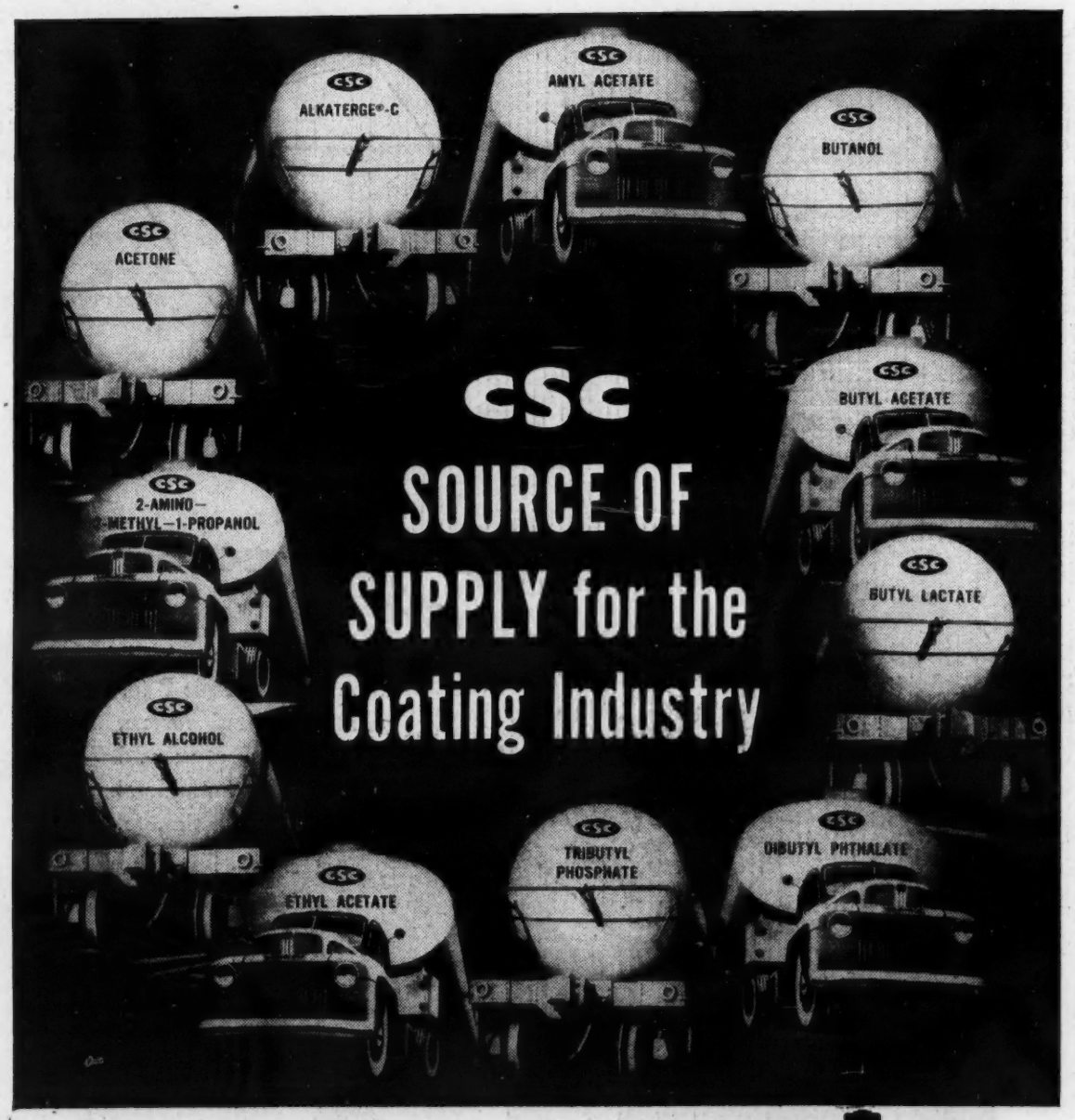
Phosphate rock, Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 70%-68%, b.p.l., c.l., same basis..long ton. 4.35 - 4.40
72%-70%, b.p.l., c.l., same basis..long ton. 5.00 - —
75%-74%, b.p.l., c.l., same basis..long ton. 6.00 - —
77%-78%, b.p.l., c.l., same basis..long ton. 7.00 - —
finely ground, 65%, b.p.l., basis 30% P_2O_5 minimum, bulk, c.l., mines, short ton. 4.92 - —
68% b.p.l., basis 31% P_2O_5 minimum mines short ton. 5.28 - —
70% b p.l., basis 32% P_2O_5 minimum, mines short ton. 5.83 - —
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble 50c. per long ton higher.
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5, c.l., mines..long ton. 6.45 - —
30-29% P_2O_5 c.l., mines long ton. 7.21 - —
Phosphorus, red, amorphous cs., lb. .46 - .47
dms.....lb. .44 - .45
yellow, cns.....lb. .30 - .37
dms., c.l.....lb. .26 - —
Oxychloride, dms., c.l., works..lb. .14 - .17
l.c.l., dms., works.....lb. .15 - .18
tankcars, works.....100 lbs. .11½- —
Pentasulphide, solid, dms., c.l., works..lb. .11½- —
l.c.l., dms., works.....lb. .13 - .13½
Pentoxide, dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .13 - .14
Phosphorous sesquisulphide, tins, cs., works..lb. .28 - .29
dms., export.....lb. .33½- .36
Trichloride, dms., c.l., works..lb. .14 - —
l.c.l., works.....lb. .15 - .18
tankcars, works.....100 lbs. .11¼- —
Phthalic anhydride, bgs., c.l., works, frt. equald.....lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21½- —
Bbls., ½c., per pound higher.
Phthalimide bbls. works.....lb. 1.10 - 1.37
Phthalylsulphacetamide, fiber dms., lb. 5.00 - 5.50
Pichi leaves, bgs.....lb. .16 - .17
Picoline (See Alpha, Beta and Gamma Picoline).
Pilocarpine hydrochloride, NF, bots..oz. 5.25 - 6.22
Nitrate, USP, bots., vials.....oz. 5.10 - 6.20
Pimento, Guatemala, bgs.....lb. .20 - .20½
Jamaica, bgs.....lb. .28¼- .28½
Mexican, bgs.....lb. .15 - .15½
Pinetar, retort, dms., incl. c.l., works..lb. .0511- —
l.c.l., same basis.....lb. .0568- —
whse.....lb. .0678- —
Pinkroot, bls.....lb. 1.75 - 1.80
Piperazine hexahydrate, bots., French Codex kilo. 8.00 - 8.50
Piperidine, 95%, dms., frt. equald. lb. 1.65 - 1.93
98% dms., same basis.....lb. 1.75 - 2.60
Piperonyl butoxide, dms., dlvd. E lb. 5.00 - 5.30
Cyclonene, dms., dlvd. E.....lb. 4.20 - 4.50
Pipsissawa herb (see Prince's pine).
Pitch, burgundy, domestic, dms., mc., c.l., l.c.l., works..100 lbs. 9.80 -10.25
Coaltar, 140°-150° F., m.p., bbls., c.l., works..ton.38.00 -39.00
l.c.l., works.....ton.41.00 - —
Cottonseed, dms., works.....lb. .07½- .08
Pitch, hardwood, paper bgs., c.l., works..lb. .02 - —
Linseed, dms.....lb. .06½- .07
Petroleum (see Asphalt, petroleum).
Pine, dms., inc., l.c.l., works, South..100 lbs. 7.50 - —
Soybean, dms., works.....lb. .05½- .06
Tall, dms., works.....lb. .05½- .06
Plaster of Paris (see Gypsum).
Platinum metal, works.....oz.90.00 -93.00
Pleurisy root, bls.....lb. .45 - .50
Podophyllum resin, NF, dms.....lb.13.20 -14.00
Pokeroot, bls.....lb. .18 - .20
Polyoxyethylene sorbitan monostearate, dms., 20,000 lbs., works..lb. .43 - —
10,000-20,000 lbs., works..lb. .45 - —
smaller lots, works.....lb. .48 - .50
Tristearate, dms., 20,000 lbs., works..lb. .43 - —
10,000-20,000 lbs., works..lb. .45 - —
smaller lots, works.....lb. .48 - .50
Polystyrene, colors, special, bgs., over 20,000 lbs., frt. alld. lb. .35½- .36
10,000-19,999 lbs., same basis lb. .36 - .36½
5,000-9,999 lbs., same basis. lb. .36½- —
standard, bgs.....lb. .35½- .36
crystals, heat-resistant, bgs., c.l., l.c.l..lb. .34 - .34½
standard, bgs., c.l., l.c.l.....lb. .32½- .33
Polystyrene in non-returnable fiber dms., ½c. per lb. higher.
Pomegranate root, bark, bgs.....lb. .60 - .65
Poppy flowers, bgs.....lb. .80 - 1.00
seed, Argentine, bgs.....lb. .13 Nom.
Czech, bgs.....lb. .12¾ Nom.
Dutch, bgs.....lb. .15¾- .16
Polish, bgs.....lb. .14½- .15
Turkish, bgs.....lb. .11¾ Nom.

Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works..100 lbs.10.00 - —
l.c.l., works.....100 lbs.10.75 - —
liquid, 45%, dms., c.l., works, 100 lbs. 4.625 - —
l.c.l., works.....100 lbs. 5.125 - —
tanks, works.....100 lbs. 4.30 - —
solid, 90%, dms., c.l., works, 100 lbs. 9.40 - —
l.c.l., works.....100 lbs.10.15 - —
regular, flake, 88-92%, dms., c.l., works..100 lbs. 8.50 - —
l.c.l., works.....100 lbs. 9.25 - —
liquid, 45% basis, dms., c.l., works..100 lbs. 3.875 - —
l.c.l., same basis 100 lbs. 4.65 - —
tanks, same basis 100 lbs. 3.55 - —
solid, 88-92%, dms., c.l., works 100 lbs. 7.90 - —
l.c.l., same basis, works 100 lbs. 8.65 - —
Potassium abietate, dms., works..lb. .25 - .28
Acetate, NF, dms.....lb. .31 - .36
Bicarbonate, USP, gran., dms..lb. .22 - —
powd., dms.....lb. .24 - —
Bichromate, bgs., c.l., works..lb. .14½- —
l.c.l., same basis.....lb. .14¾- .15½
Potassium bichromate in drums ½c. higher.
Bitartrate (see Cream of tartar).
Bromate, bbls., 1,000 lbs. or more, lb. .50 - .52
25-200-lb. lots.....lb. .55 - .57
Bromide, USP, gran., bbls., kgs. lb. .34 - —
Carbonate, tech., calcined, bbls., c.l., works..100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 9.30 - —
hydrated, 83-85%, bbls., c.l., works..100 lbs. 6.75 - —
l.c.l., works.....100 lbs. 7.50 - —
USP, gran., bbls., dms.....lb. .16½- .18
powd., bbls., dms.....lb. .21 - .23
Chlorate, cryst., dms., c.l., works lb. .09¾- —
l.c.l., works.....lb. .10 - .11
powd., dms. c.l., works.....lb. .10¼- —
l.c.l., works.....lb .10¾- .11¾
export, dms., 1 to 10 tons, works lb. .13 - .13¾
NF, gran., dms.....lb. .32 - .33
Chloride, USP, cryst., dms.....lb. .21 - .23
gran., dms.....lb. .15 - .17
powd., dms.....lb. .24 - .26
Chromate, tech., bgs.....lb. .32 - .36
Citrate, USP, gran., dms.....lb. .37½- .38¼
powder, dms.....lb. .40½- .41½
Cyanide, dms, over 500 lbs., works, lb. .55 - —
under 500 lbs., works.....lb. .57 - —
Fluoborate, fib. dms., c.l., works. lb. .26 - —
l.c.l., works.....lb. .27 - —
Fluoride, dms., works.....lb. .24 - —
Gluconate, dms.....lb. .75 - .79
Glycerophosphate, 75% solution, cbys lb. 2.15 - 2.25
Guaiacolsulphonate, NF, dms lb 2.10 - 2.30
Hydroxide, tech (see Potash caustic).
USP, pellets 100 lb. dms. 1 to 100 dms.....lb. .28½- .33
Hypophosphite, NF, ton lots or less, fib. dms lb. 1.00 - 1.03
Iodide, dms.....lb. 2.15 - 2.20
Manure salt, 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulphite gran., dms.....lb. .20 - .21
powd., dms.....lb. .25 - —
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M..unit-ton. .42 - .44¼
Trona, Cal.....unit-ton. .53 - —
50-51% K_2O, paper bgs., Carlsbad, N. M ton.25.75 - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
purified, dms.....lb. .42 - .44
Pentoborate, gran., bgs., c.l., works..ton.184.00 - —
ton lots, bbls., ex whse ton.261.00 - —
less ton lots, bbls., ex whse.ton.266.00 - —
Powdered Potassium pentoborate, $10.25 per ton higher.
Perchlorate, dms., c.l., works lb. .14 - —
l.c.l., works.....lb. .14½- .15½
Permanganate, tech., dms., works. lb. .22½- .23½
USP dms., works.....lb. .24¾- .30¼
Persulphate, dms., c.l., works..lb. .18 - .19
l.c.l., works.....lb. .20 - .22
Phosphate, tetrabasic, bbls., works. lb. .16½- .18¼
Prussiate, red, kgs.....lb. .60 - .63
yellow, dms., ton lots.....lb. .22½- —
smaller quantities.....lb. .23 - —
kegs.....lb. .28 - —
Silicate, glass, bgs., c.l., works, 100 lbs.14.70 - —
l.c.l.....100 lbs.15.20 - —
solution, 20° Be., ret. dms., c.l., works..100 lbs. 4.50 - 4.55
l.c.l., 5 dms. or more, works..100 lbs. 5.25 - 6.30
30° Be, ret. dms., c.l., works, 100 lbs. 4.70 - —
l.c.l., works.....100 lbs. 5.20 - —
32.5° Be., ret. dms., c.l., works, 100 lbs. 4.85 - —
l.c.l., works.....100 lbs. 5.35 - —
40° Be., ret. dms., c.l., works..100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 5.85 - —
40.5° Be, ret. dms., c.l., works, 100 lbs. 6.00 - 6.75
l.c.l., 5 dms. or more, works..100 lbs. 6.75 - 7.50
1-4 dms., works..100 lbs. 7.25 - 7.90
Silicofluoride, bbls., works.....lb. .09½- .10
Stannate, dms., frt. alld. E..lb. .740 - .796
Sulphate, agricultural, 90-95% K_2SO_4, bulk, works, basis 90%..ton.36.25 - —
NF VII, cryst., dms.....lb. .31 - .33
gran., dms.....lb. .18½- —
powder, dms.....lb. .19 - —
Sulphocyanide, cryst., NF (see Potassium thiocyanate)
Thiocyanate, NF, cryst., dms..lb. .82 - 1.08
tech., works.....lb. .77 - .79
Titanate, ctns., c.l., works.....lb. .12½- —
5-ton lots, works.....lb. .12¾- —
1-ton lot or less, works....lb. .13 - —
Potassium-magnesium sulphate bulk, works basis 40% K_2SO_4, 18% MgO..ton.16.00 - —
Potassium-sodium tartrate (see Rochelle salt).
Potassium-titanium fluoride, fib. dms., works..lb. .35 - .36
Potassium-titanium oxalate, bbls., cs., lb. .85 - .95
Potassium-zirconium fluoride, fib. dms., c.l., works..lb. .50 - —
l.c.l., works.....lb. .52½- .55
Pregnenolone, bots.....gm. 1.50 - —
Acetate, bots.....gm. 1.25 - —
Prickly ash bark, bls.....lb. .55 Nom.
Berries, bgs.....lb. .70 - .75
Prince's pine herb, bls.....lb. .60 - .61
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works..lb. 3.40 - 3.75
spot.....lb. 3.40 - 3.75
Progesterone, USP, 100 gms., bots.. gm. 1.75 - —
Propane, commercial grade, tanks, group 3..gal. .04 - —
Propionaldehyde, dms., 5,000 lbs. or more, custom contract..lb. .60 - —
Propyl acetate, normal, dms., c.l., dlvd..lb. .125 - —
l.c.l., dlvd.....lb. .135 - —
tanks, dlvd.....lb. .1075- —
Aldehyde (see Propionaldehyde).



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WORLD'S LARGEST MANUFACTURER OF STEEL SHIPPING CONTAINERS

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Manufacturing Plants in 22 Cities Around the World — PLANTS AND OFFICES: BURLINGTON, LINDEN, NEW JERSEY • CHICAGO, ILL. HOUSTON, TEXAS • NEW ORLEANS, LA • NEW YORK, N. Y. • NEWARK, RICHMOND, SAN FRANCISCO, SAN PABLO, SOUTH GATE, CALIF. • SPARROWS POINT, MD. FOREIGN PLANTS: BRISBANE, FREMANTLE, MELBOURNE, SYDNEY, AUSTRALIA • BRISTOL, UNITED KINGDOM • BUENOS AIRES, ARGENTINA • HAMILTON, ONTARIO • LIMA, PERU • RIO DE JANEIRO, BRAZIL • MILAN, ITALY • SINGAPORE

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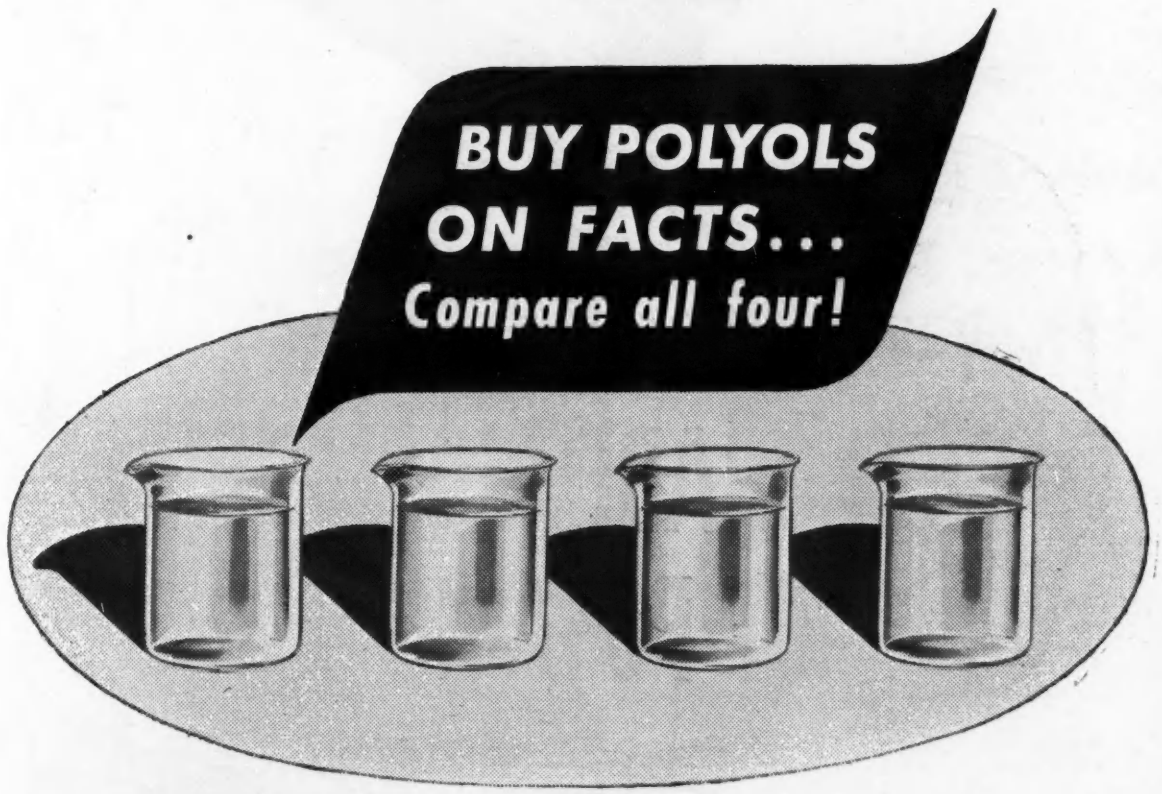
Propyl gallate, dms., 2,000 to 100 lb. lots, works lb. 3.90 - 4.40
Parahydroxybenzoate, USP, dms. lb. 2.30 - 2.40
Propylene dichloride, dms., c.l., dlvd. E. lb. .0845- .095
l.c.l., same basis lb. .0950- .1050
tanks, same basis lb. .07 - .08
Oxide, dms., c.l., dlvd. E. lb. .19½- .20½
l.c.l., dlvd. E. lb. .20½- .21½
tanks, dlvd. E. lb. .17½- .18½
Propyleneglycol, industrial, dms., c.l., dlvd. E. lb. .19½- .21½
l.c.l., same basis lb. .20½- .22½
tanks, same basis lb. .17½- .18½
USP, dms., c.l., dlvd. E. lb. .20½- .21½
l.c.l., same basis lb. .21½- .22½
tanks, same basis lb. .18½- .19½
Methylether, dms., c.l., frt. equald lb. .21 - —
l.c.l., same basis lb. .22 - —
tanks, same basis lb. .19½- —
Propylthiouracil, bots., 50 kilos or more kilo. 55.00 - —
smaller lots kilo. 55.10 - 55.30
Psyllium seed, black, bgs. lb. .27 - .30
blonde, bgs. lb. .19 - .20
husks, bgs. lb. .50 - .55
Pulsatilla herb, bls. lb. .52 - .53
Pumice, com. grd., coarse to fine, 0½, 1, 1½, 2, 3 bgs., ton lots. lb. .03⅜- .04¼
smaller, lots lb. .03⅜- .04½
Italian, silk-screen, coarse, bags, ton lots lb. .06½- —
fine, bgs., ton lots lb. .04 - —
sun dried, coarse, bgs. ton lots lb. .02½- .04
fine, bgs., ton lots lb. .02½- .04
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs lb. .18 - .20
Pyrethrin, synthetic (see Allethrin).
Pyrethrum flowers, fine-grd., 0.9% pyrethrins bbls. works. lb. .50 - —
powder, 1.3% pyrethrins, bbls., works lb. .71½- —
liquid (20 to 1) basis 2 grams pyrethrins per 100 cc. odorless basis, bbls., works gal. 9.75 - 10.50
(30 to 1) basis 3 grams pyrethrins per 100 cc. odorless base, bbls., works gal. 15.75 - —
oleoresin dewaxed, 20%, for aerosol bombs, dms., works lb. 11.00 - 12.00
Pyridin, denaturing, dms., c.l., works and frt. equald gal. 2.67 - —
l.c.l., same basis gal. 2.70 - —
refd., 2°, non-ret. dms., c.l., same basis lb. 89½ - 1.04½
l.c.l., same basis lb. .90 - 1.05
Pyridoxine hydrochloride, 100-gram bots gram. .55 - —
Pyrites long-ton. No prices.
Pyrocatechol (see Catechol).
Pyrogallol, NF lb. 3.25 - 3.43
Pyrophyllite, insecticide grade, 200 mesh, bgs., c.l., mines ton. 13.00 - 13.50
rubber grade, 140 mesh, bgs., c.l., mines ton. 11.50 - 12.00
standard, 200 mesh, bulk, c.l., mines ton. 12.50 - —
230 mesh, bulk, c.l., mines. ton. 13.50 - —
325 mesh, bulk, c.l., mines. ton. 16.75 - —
No. 3, 200 mesh, bulk, c.l., mines, ton. 11.00 - —
Standard and No. 3 pyrophyllite in paper bgs. $3 to $3.50 per ton extra.
Pyroxylin, USP, bots lb. 9.59 - —
Scrap, opaque, amber, cs., works, lb. .15 - —
black, cs., works lb. .12 - —
mixed, mottled, cs., works lb. .11 - —
white, china, ivory, cs., works, lb. .12 - —
dense, cs., works lb. .12 - —
translucent, pastels, cs., works, lb. .14 - —
transparent, colorless, cs., works, lb. .20 - —
colors, cs., works lb. .14 - —
shavings, opaque, amber, cs., works lb. .12 - —
mixed, colors, cs., works lb. .12 - —

Q

Quassia, chips, bls lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., lb. .16¼- .16¾
liquid, 35% tannin, bbls., works, tanks, same basis lb. .08¼- —
solid, clarif., 64% tannin, bgs., c.l., exdock, duty extra lb. .12¼- —
ordinary, 63% tannin, bgs., c.l., same basis lb. .11 31/64 —
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .25 - .26
Quercitron extract, crystals, No. 1, bbls., l.c.l. lb. .40 - —
liquid, No. 1, bbls., l.c.l. lb. .19 - —
Quicksilver, flasks (76 lbs. net) flask. 190.00 - 193.00
Quince seed, bgs lb. .80 - 1.50
Quinidine, NF, V cryst., cns., 100-oz. lots oz. 1.90 - —
powd., precip., cns., 100-oz. lots oz. 1.85 - —
Sulphate, USP, cns., 100-oz. lots oz. 1.25 - —
Quinine, NF, cns., 100-oz. lots oz. .70 - —
Bisulphate, USP cns., 100-oz. lots oz. .51 - —
Dihydrochloride, USP, cns oz. .70 - .72
Ethylcarbonate, NF, cns., 100-oz. lots oz. .75 - —
Hydrobromide, NF, cns., 50-oz. cns. oz. .63 - —
Hydrochloride, USP, cns., 100-oz. lots oz. .63 - —
Phosphate, NF, cns., 100-oz. lots oz. .76 - —
Salicylate, NF, cns., 100-oz. lots oz. .66 - —
Sulphate, USP, cns., 100-oz. lots oz. .56¼- —
Quinine and Urea hydrochloride, NF, cans oz. .68 - —
Quinolin, ret. dms., c.l., frt. equald. lb. .60¾- —
l.c.l., same basis lb. .61¼- —
tanks, same basis lb. .60 - —

R

R salt, paste dry basis, dms., frt. alld lb. .57 - —
Raspberries, dried, bbls lb. 1.20 - 1.25
Red, BON, arylid, deep shades, bbls. lb. 3.60 - —
light medium shades, bbls. lb. 2.75 - —
maroons, pure, bbls lb. 1.75 - —
resinated, bbls lb. 1.50 - —
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies. lb. 4.60 - —
light shade, bbls., same basis. lb. 4.20 - —
medium shade, bbls., same basis lb. 4.50 - —
Red, cadmium, CD, medium-light shade, bbls., same basis lb. 4.30 - —
orange shade, bbls., same basis lb. 3.80 - —
lithopone, deep shade, bbls., same basis lb. 1.85 - 1.90
light shade, bbls., same basis, lb. 1.75 - —
maroon shade, bbls., same basis lb. 2.00 - 2.10
medium shade, bbls., same basis lb. 1.85 - —
medium-light shade, bbls., same basis lb. 1.80 - —
orange-red shade, bbls., same basis lb. 1.70 - —
Red cadmium lithopone all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.
Carmine No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. 1.60 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y lb. .12½- —
Iron oxide, pure, 98% ferric oxide, bgs., c.l., works lb. .12¼- —
l.c.l., works lb. .12½- —
natural 75%-85% ferric oxide, bgs., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa.; E. St. Louis lb. .05¾- —
Lake C, toner, alizarin, bbls., works lb. 1.10 - 1.20
Lithol, toner, bbls., works lb. .76 - —
rubin, toner, pure bbls., works lb. 1.50 - —
resinated, bbls., works lb. 1.40 - —
Virginia-type, bbls., works lb. 1.40 - —
Red, maroon tone, BON, arylid, dlvd lb. 3.60 - 5.90
Cadmium, deep, bbls., works, lb. 1.20 - —
regular, bbls., works lb. 1.10 - —
MNPT, toner, kgs., works lb. 3.60 - —
Maroons in smaller pkgs. 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs. works lb. 4.22 - —
smaller lots, works lb. 4.24 - —
Metallic, bbls., c.l., works lb. .02½- —
l.c.l., works lb. .02¾- —
Oxide (see Red iron oxide).
Persian gulf, bgs., c.l., works lb. .06¾- —
l.c.l., works lb. .07 - —
Para toner, bbls lb. .85 - —
Chlorinated, kgs lb. 1.10 - 1.15
Phloxin toner (see Red eosin toner).
Rhodamine, molybdated, PMA., kegs lb. 4.90 - —
tungstated, PTMA, works, kegs, lb. 6.35 - —
Spanish, oxide, bbls., c.l., ex dock lb. .05¾- —
l.c.l., ex dock lb. .06 - —
ex whse., New York lb. .06½- —
Toluidin toner, deep shades, kgs., works lb. 1.33 - 1.40
light shades, kgs., works lb. 1.33 - 1.40
Turkey, bbls., works lb. .14½- —
Tuscan, bbls., frt. equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- .0375
20%, bgs., works lb. .04 - —
25%, bgs., works lb. .0450- —
30%, bgs, works lb. .0475- —
35%, bgs., works lb. .05 - —
40%, bgs, works lb. .0525- —
Vermilion, Amer., bbls lb. .32 - —
Quicksilver, ctns lb. 3.58 - —
Watchung-type, bbls. lb. 1.95 - —
Red KB base (see Chloro (4)-2-toluidine).
Red precipitate, NF, powd., fib. dms lb. 4.37 - 4.41
Red saunders NF, powd., bbls lb. .35 - —
Rennin, NF, powder lb. 6.25 - —
Resorcinol, tech. grade, dms., c.l., works lb. .82½- —
l.c.l., works lb. .83½- —
USP, cryst., dms., works lb. 2.75 - —
powd., dms., works lb. 2.95 - —
Monoacetate, NF, dms. lb. 3.25 - 3.45
Rhatany root, bgs lb. .15 - .16
Rhodinol, 5-lb. cans lb. 40.00 - 56.00
Rhubarb root, China, whole, cs lb. .70 - 1.25
powd., bbls lb. .75 - 1.50
India, whole, bgs lb. .30 - .35
powdered, bbls lb. .35 - .40
Riboflavin, USP, bots., dlvd kilo. 125.00 - —
Readily soluble, bots., dlvd kilo. 125.00 - —
Rice bran, concentrate, dms., Cedartown, Ga lb. .79 - —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs lb. .37¼- —
smaller lots lb. .38 - .43
Rose flowers, pale, bls lb. .45 - .50
Rosemary flowers, bls lb. 1.55 - 1.65
Leaves, French, bls lb. .10½- .11
Portuguese, bls lb. .07 - .07½
Spanish, bls lb. .08½- .09
Rosin, gum and wood (see Naval Stores, Protective Coatings market).
Rotenone, CP, bbls., works lb. 20.00 - —
tech., bbls., works lb. 16.50 - —
Rottenstone, bgs., c.l., mines ton. 40.00 - —
l.c.l., mines ton. 48.00 - —
Rue herb, bls lb. .35 - .40
Rutin, 25-kilo lots, fib., dms. kilo. 27.50 - 40.00
10 to 25-kilo lots, fib. dms. kilo. 28.50 - 40.00
1 to 10-kilo lots, fib. dms. kilo. 30.00 - 40.00
Ryania, 100% powd., bgs., works lb. .20 - —



FACT

Sorbitol leads in uniformity

Polyols made from a wide variety of raw materials are bound to vary widely from batch to batch. But sorbitol, made from sugar, *always* is uniform.

Sorbitol, tested independently, showed no significant variation among twenty samples. But the same tests found wide variations in batch after batch of other polyols!

FACT

Sorbitol leads in price stability and availability

Atlas sorbitol, made from sugar, is available in almost unlimited quantities. What's more, on price stability alone, sorbitol rates the "best buy" in polyols: its price trend through the years has been downward.

Write today for the valuable 22-page Atlas sorbitol book containing charts, usage tables, and other helpful data. Personal technical assistance is available at your request.

ATLAS

Industrial Chemicals Department

ATLAS POWDER COMPANY

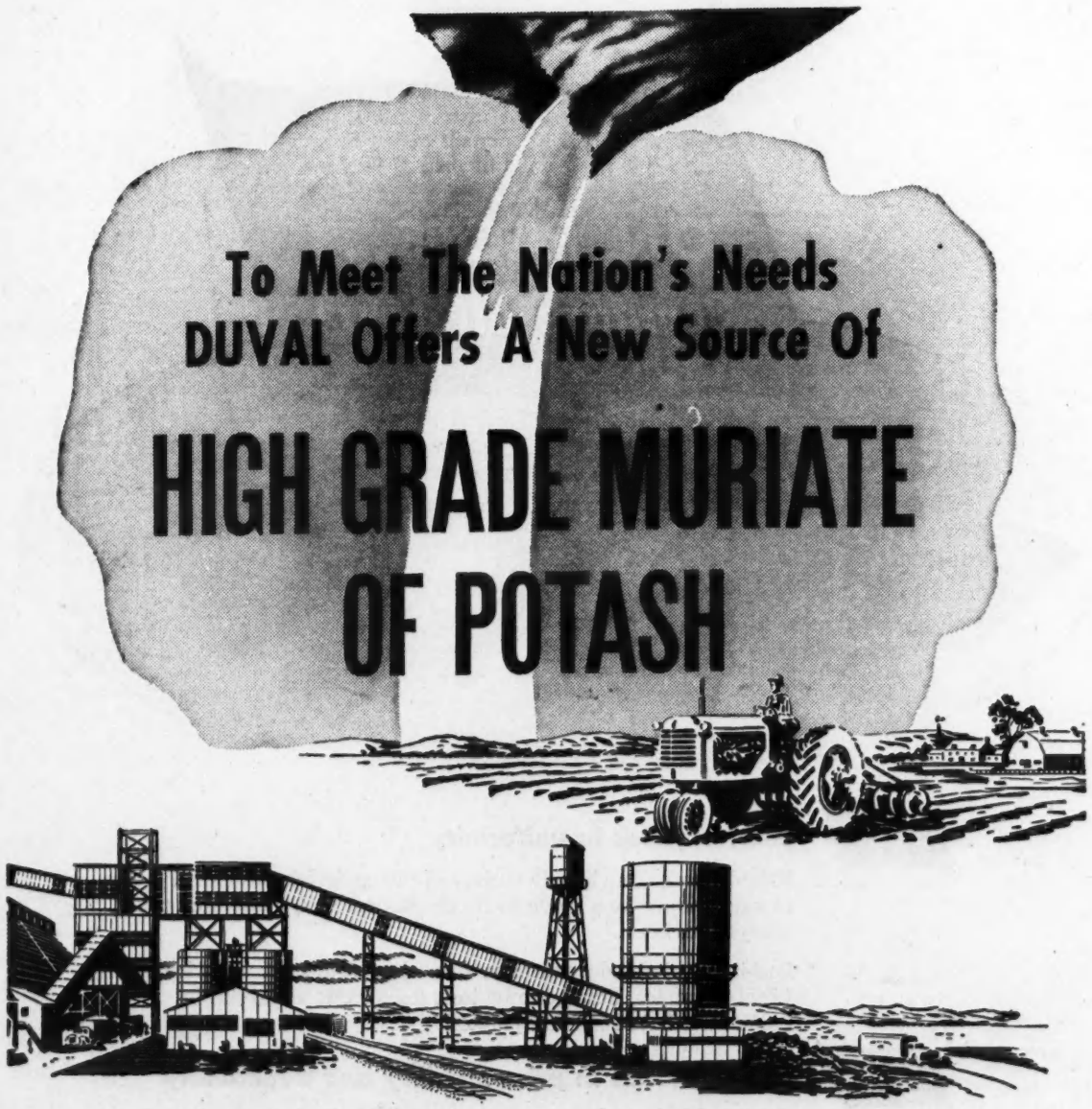
WILMINGTON 99, DELAWARE • OFFICES IN PRINCIPAL CITIES

ATLAS POWDER COMPANY (CANADA) LTD., BRANTFORD, CANADA

Sabadilla Seed—Sodium Hypophosphite

S

Sabadilla seed, powd., bbls.....lb. .70 - —
activated, ground with lime, bbls..lb. .40 - .45
Saccharin, USP, gran., soluble, dms., 1000-lb. lots..lb. 1.60 - —
smaller lots.....lb. 1.70 - 1.80
powd., soluble, insoluble, dms., 1000-lb. lots..lb. 1.65 - —
smaller lots.....lb. 1.75 - 1.95
Safflower, Egyptian, bls.....lb. .65 - .70
Saffron, Mexican, bls.....lb. .90 - .95
Spanish, USP, tins.....lb.23.50 -25.00
Safrol, dms.....lb. .72 - 1.35
Sage, Cretan, bls.....lb. .12 - .12½
Cyprus, bls.....lb. .09 - .09½
Dalmatian, bls.....lb. .52 - .53
Greek, bls.....lb. .12 - .12½
Officinalis, Italian, bls.....lb. .20 - .21
Spanish, stemless, bls.....lb. .12½- .13
Syrian, bls.....lb. .12 - .12½
Turkish, bls.....lb. .12 - .12½
Sago flour, raw, bgs.....lb. .07¼- .07¾
refined, bgs.....lb. .08¾- .09
Sal soda (see Soda sal).
Salol, NF, gran., bbls., kgs.....lb. 1.05 - —
fib. dms.....lb. 1.07 - 1.08
Powdered salol, 25c. higher.
Salt, rock, paper bgs., c.l., works, 100 lbs. .63 - —
l.c.l. .....100 lbs. 1.09 - —
Table, vacuum, common, fine, paper bgs. c.l., works .100 lbs. .77 - —
l.c.l., works.....100 lbs. 1.12½- —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton.17.00 - —
Saltpeter, cryst., bbls., 10-ton lots, 100 lbs.14.40 - —
smaller lots.....100 lbs.14.65 -14.90
powd., bbls., 20-ton lots ...100 lbs.10.75 - —
smaller lots .....100 lbs.12.00 -12.50
gran., bbls., 20-ton lots....100 lbs. 9.75 - —
smaller lots.....100 lbs.11.10 -11.50
NF, gran., dms.....lb. .09¾- .17¾
Saltpeter in bags, 50c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sandalwood chips, East Indies, bgs., lb. .65 - .66
powd., dms.....lb. .75 - .76
Sanguinarine nitrate, bots.....oz. 4.75 - 5.50
Santonin, NF, dom., dms., cryst., powd., cns..kilo.275.00 -285.00
imported, cryst., powd., cns..kilo.300.00 - —
Saponin, No. 1, 100-lb. dm.....lb. 2.75 - —
Sarsaparilla root, dom., bls.....lb. .45 - .50
Honduras, bls.....lb. .38 - .40
Mexican, bls.....lb. .22 - .25
Sassafras bark, ord., bls.....lb. .44 - .45
select, bls.....lb. .55 - .56
Savory, French, bls.....lb. .15½- .16
Spanish, bls.....lb. .09½- .10
Saw palmetto berries, bgs.....lb. .32 - .38
Scammony resin, lump, cns.....lb. 1.95 - 2.20
powd., cns.....lb. 2.05 - 2.30
Root, bgs.....lb. .10 - .14
Schaeffers salt, paste, dms., frt. alld, lb. .77 - —
powder, bgs., frt. alld ....lb. .80 - —
Scopolamine hydrobromide, bots. oz.17.60 -18.30
Hydrochloride, USP, bots ....oz.84.00 - —
Seidlitz mixture, bbls., 5,000 lbs..lb. .30½- .31
smaller lots .....lb. .31 - .32
Selenium, powd., dms., dlvd....lb. 3.25 - —
Senega root, bls.....lb. 1.40 - 1.45
Senna leaf, Alex., half-leaf, bls..lb. .18 - .20
sifting, bgs.....lb. .14 - .16
Tinnevelly, No. 1, bls.....lb. .20 - .21
No. 2, bls.....lb. .17 - .18
No. 3, bls.....lb. .12 - .13
powdered, bls., bxs.....lb. .19 - .20
Pods, bls.....lb. .20 - .22
Serpentaria root, bls.....lb. 4.00 - —
Sesame seed, Nicaragua, hulled, bgs..lb. .21 - .27
natural, bgs.....lb. .12½- .13
Turkish, bgs.....lb. .15 - .15½
Shellac, bleached, bonedry, bgs., 1,500-lb. lots..lb. .46 - —
bbls., 1,500-lb. lots.....lb. .47 - —
kgs., 1,500-lb. lots.....lb. .49 - —
refined, bgs., 1,500-lb. lots..lb. .56 - —
bbls., 1,500-lb. lots.....lb. .57 - —
kgs., 1,500-lb. lots.....lb. .59 - —
Bonedry shellac prices for less than 1,500-lb. lots, 1c. per lb. higher for all packages.
Lemon, No. 1, bgs.....lb. .33 - .36
No. 2, bgs.....lb. .30 - .32
Superfine, bgs., 10-bg. lots....lb. .28 - .31
TN, bgs, 10-bg. lots.....lb. .26 - .29
Shellac in 1 to 9 bgs., 1c. more.
Shingle stain oil (see Oil, shingle stain).
Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill., works ton.25.00 - —
l.c.l., works.....ton.30.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.25.00 -30.00
140 mesh, bgs., c.l., works ton.15.00 - —
l.c.l., works .....ton.20.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .20 - .28½
Silver bullion, ingots, cs.....oz. .82¾- —
Cyanide, fib. dms., 2,500-oz. lots.. oz. .75⅞- —
1,000-oz. lots .....oz. .76⅛- —
500-oz. lots .....oz. .76⅜- —
100-oz. lots .....oz. .76⅝- —
Nitrate, CP, cryst., bots., 2,500-oz. lots..oz. .53⅜- —
1,000-oz. lots .....oz. .54⅛- —
500-oz. lots.....oz. .55¼- —
250-oz. lots .....oz. .55⅞- —
USP granular silver nitrate, 4c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong, NF, bots., dms., 1,000-oz. lots..oz. 1.00 - —
Simaruba bark, bls.....lb. .90 Nom.
Skullcap herb, Eastern, bls.....lb. .50 - .65
Western, bls .....lb. .30 - .35
Skunk cabbage root, bls.....lb. .35 Nom.
Slate flour, bgs., c.l., works...ton. 7.55 -13.00
l.c.l., ex whse.....ton.19.85 -27.35
Sloe berries, bgs.....lb. .24 - .28
Smalt, black, ctns.....lb. .15 - —
Blue, ctns .....lb. .18 - —
Snakeroot, Canada, bls.....lb. .75 - .80
Soapbark, bls.....lb. .25 - .27
crushed, bls., bbls .....lb. .32 - .35
powd., bbls .....lb. .35 - .37
Soda ash, dense, 58% paper bgs., c.l., works .100 lbs. 1.60 - —
l.c.l., stock points ...100 lbs. 2.85 - 4.62
bbls., c.l., works .....100 lbs. 2.15 - —
l.c.l., stock points ...100 lbs. 3.35 - 4.12
bulk, c.l., works .....100 lbs. 1.30 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.50 - —
l.c.l., stock points ...100 lbs. 2.75 - 4.52
bbls., c.l., works .....100 lbs. 2.05 - —
l.c.l., stock points ...100 lbs. 3.25 - 5.02
bulk, c.l., works .....100 lbs. 1.20 - —
Caustic, flake, powd., 76%, c.l., works .100 lbs. 3.75 - —
l.c.l. stock points .....100 lbs. 4.95 - 6.77
liquid, 50%, sellers' tanks, works, dry basis .100 lbs. 2.55 - —
50%, rayon-type, tanks, works, dry basis .100 lbs. 2.65 - —
70% sellers' tanks, works, dry basis..100 lbs. 2.65 - —
rayon type, tanks, works, dry basis 100 lbs. 2.75 - —
solid, 76%, dms., c.l., works 100 lbs. 3.35 - —
l.c.l., stock points ...100 lbs. 4.55 - 5.05
Sal, bgs., c.l., works .....100 lbs. 1.40 - —
l.c.l., works .....100 lbs. 1.70 - —
Soda-lime, USP, dms.....lb. .23 - .25
Sodium acetate, anhyd., bgs., c.l., works lb. .12 - —
l.c.l., dms .....lb. .12¾- —
NF, gran., dms., works .....lb. .16 - —
Alginate, refined, water-soluble, bbls., works lb. .83 - —
semi-refined, bbls., works .lb. .54 - —
NF, white, powd., dms., ton lots, works..lb. 1.40 - —
smaller lots.....lb. 1.55 - 1.65
Antimoniate, bbls., c.l., dlvd. E. lb. .35 - —
l.c.l., dlvd.....lb. .36½- —
Arsenate, dms., c.l., works....lb. .12½- —
l.c.l., dms., works .....lb. .13¾- .14¼
Arsenite, dms., c.l., works....lb. .13½- —
l.c.l., dms., works .....lb. .14¼- .15¼
solution, dms., works .....gal. .70 - 1.10
Benzoate, tech., bbls., dms., 100 lbs. or more lb. .37½- .39
USP, bbls., dms., 100 lbs. or more lb. .44½- .46
Bicarbonate, USP, gran., bgs., c.l., works .100 lbs. 2.50 - —
l.c.l., works ...100 lbs. 3.15 - —
powd., bgs., c.l., works 100 lbs. 2.10 - —
l.c.l., works .....100 lbs. 2.75 - —
Bichromate, bgs., c.l., works..lb. .11 - —
l.c.l., same basis.....lb. .11¼- .12
Bifluoride, bbls., c.l., works, frt. equald..lb. .1375- —
l.c.l., same basis.....lb. .1415- —
Bisulphate, bulk, c.l., works. 100 lbs. 2.00 - —
dms., c.l., works.....100 lbs. 2.65 - 3.85
l.c.l., works .....100 lbs. 3.05 - 3.65
Bisulphite, powd., bgs., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
solut. 35°, bbls., c.l., works. 100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.80 - —
Borate (see Borax).
Bromide, USP, bbls.., kgs., works. lb. .34 - .35
Cacodylate, NF, jars, dms....lb. 8.52 - —
Carbonate, anhydrous (see Soda ash).
crystalline, decahydrated (see Soda sal).
monohydrated, bgs., c.l., works 100 lbs. 2.65 - —
l.c.l., works.....100 lbs. 3.05 - —
Chlorate, cryst., dms., c.l., works. lb. .08¼- —
l.c.l., works .....lb. .08¾- .09¼
Chloride, tech (see Salt).
USP, dms.....lb. .05 - .12
Chlorite, tech., dms., works .lb. .58 - .73
Chloroacetate, tech., dms., c.l., works lb. .24 - —
l.c.l., works.....lb. .25 - .26
Chromate, dms., c.l., works .lb. .12¾- —
l.c.l. same basis.....lb. .13 - .13¾
Citrate, anhyd., dms.....lb. .60 - .65
USP VIII, gran., dms.....lb. .22½- .29¼
USP XIV, gran., dms.....lb. .28 - .32
Sodium citrate USP powd. prices ½c. higher.
Cyanate, dms., 1,000-lb. lots., works lb. .85 - 1.10
smaller lots, works .....lb. 1.00 - 1.25
Cyanide, flake, 96-98% dms., c.l., or 20,000-lb. lots..lb. .168 - —
over 1,000 lbs .....lb. .178 - —
100-lb. to 1,000-lb. lots..lb. .188 - —
Granular sodium cyanide 1c. higher.
Diacetate, 33-35% acidity, 250-lb. dms., works..lb. .14 - —
l.c.l., dms .....lb. .14¾- —
anhydrous, dms., c.l., works .lb. .17 - —
l.c.l. .....lb. .17¾- —
Fluoride, white, 90%, bbls., c.l., works .lb. .11 - —
l.c.l., works .....lb. .1140- —
95%, bbls., c.l., works.....lb. .1125- —
l.c.l., works.....lb. .1165- —
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works..lb.12.00 - —
2 to 25 tins to case, works..lb.12.00 -16.50
1 oz. tins, 16 to 64 to case, works..lb.16.50 -21.00
Formate, bgs., c.l., dlvd ....100 lbs. 7.10 - —
l.c.l. .....100 lbs. 8.15 - 8.45
Gentisate, 100-lb. fib. dms.....lb. 8.50 - —
Gluconate, dms.....lb. .83 - .85
Glutamate, monobasic, dms., c.l., dlvd..lb. 1.66 - —
smaller lots, dlvd .....lb. 1.67 - 1.69
Glycerophosphate, NF, cryst., bbls. lb. 1.80 - 1.93
powder, bbls .....lb. 1.85 - 2.00
solution, 75%, cbys.....lb. 1.06 - 1.21
Hydride, dms., works.....lb. 2.40 - 3.00
Hydrosulphide (see Sodium sulphydrate).
Hydrosulphite, dms., c.l., frt. alld..lb. .24½- —
l.c.l., frt. alld .....lb. .25 - —
Hydroxide, tech. (see Soda caustic).
NF, pellets, 100-lb. dms., 1 to 100 dms..lb. .18½- .23
Hypophosphite, NF, ten lots or less, dms..lb. .93 - .98



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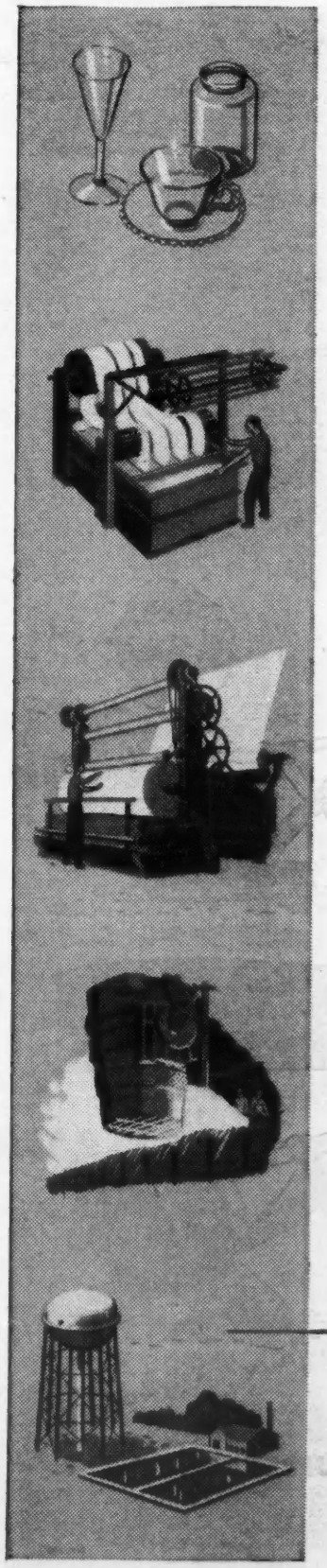
Sodium hyposulphite, tech., bgs., works..100 lbs. 4.00 - —
l.c.l., same basis.....100 lbs. 4.40 - 6.90
photo grade, bgs., c.l., works. 100 lbs. 4.00 - 4.25
l.c.l., same basis....100 lbs. 4.65 - 7.15
pea crystals, bgs.....100 lbs. 4.50 - —
gran., bgs., c.l., works.100 lbs. 5.00 - —
Sodium, hyposulphite crystals in bbls. 50c. higher.
NF (see Sodium thiosulphate).
Iodide, USP, bots., dms.....lb. 2.69 - —
Lactate, edible, 50%, dms., cbys., works lb. .21½- —
60% dms. cbys., works lb. .26½- —
tech., 50%, dms., cbys., works, lb. .16½- —
Laurylsulphate, dms., c.l., dlvd lb. .27 - —
l.c.l., dlvd.....lb. .23 - —
tanks, dlvd.....lb. .25 - —
Metaborate, octahydrate, gran., bgs., c.l., works ton.78.50 - —
l.c.l., ex. whse.....ton.124.50 -129.50
tetrahydrate, c.l., bbls., works. ton.199.50 - —
Sodium metaborate, octahydrate in bbls. $24.50 per ton higher.
Metal, tanks, works.....lb. .16 - —
bricks, dms works.....lb. .17 - .19
Metanilate, bbls. frt. alld.....lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works..100 lbs. 4.70 - —
l.c.l., works.....100 lbs. 4.95 - 5.20
dms., c.l.....100 lbs. 5.05 - —
l.c.l.....100 lbs. 5.30 - 5.55
Pentahydrate, bgs., c.l., works, frt. equald..100 lbs. 3.80 - —
l.c.l., bgs., works....100 lbs. 4.05 - 4.30
dms., c.l., works.....100 lbs. 4.20 - —
l.c.l., works.....100 lbs. 4.45 - 4.70
Molybdate, crystals, bbls., works lb. .75 - .85
powd., anhy., dms., works lb. 1.05 - 1.06
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls.....lb. .70 - —
Nitrate, crude, bgs., c.l., works. ton.51.00 - —
bulk, c.l., works.....ton.47.50 - —
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse..ton.57.00 - —
bulk, c.l., same basis..ton.53.50 - —
Nitrite, bbls., c.l., works, frt. equald..lb. .07¼- —
l.c.l., same basis.....lb. .08¾- —
USP, gran., dms.....lb. .17 - —
Orthosilicate, anhyd., dms., c.l., works..100 lbs. 6.00 - —
l.c.l., works.....100 lbs. 7.60 - —
hydrated, flake, bbls., c.l., works 100 lbs. 4.75 - —
l.c.l., works.....100 lbs. 5.50 - —
Oxalate, neut., bgs., works....lb. .104 - —
Para-aminobenzoate, dms., 1,000-lb. lots or more..lb. 3.00 - —
smaller lots.....lb. 3.05 - 3.40
Para-aminosalicylate, dms., 1,000-lb. lots., frt. adjusted. lb. 4.25 - —
smaller lots, same basis lb. 4.30 - 4.75
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald.lb. .25½- —
l.c.l., same basis.....lb. .26½- .28½
Pentachlorophenate, pellets, bgs., c.l., same basis..lb. .25 - —
l.c.l., same basis.....lb. .26 - 28
powd., bgs., c.l., same basis..lb. .24 - —
l.c.l., same basis.....lb. .25 - 27
Pentachlorophenate 20,000 lbs. min. truckloads ¼c. per lb. over carlot prices.
Perborate, USP, tech, bbls., c.l., works..lb. .193 - —
l.c.l., works.....lb. .198 - —
Peroxide, dms., c.l., dlvd. E. of Miss. lb. .1860- —
l.c.l., same basis.....lb. .1910- .2010
Phenolsulphonate, USP IX, gran., dms..lb. .44 - .45
powd., dms.....lb. .47 - .48
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 7.65 - —
USP, dried powd., bgs., dms., works..lb. .19 - .20½
duohydrate, bgs., c.l., works. 100 lbs. 6.65 - —
l.c.l., works.....100 lbs. 7.05 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 8.05 - 8.30
l.c.l., works.....100 lbs. 8.45 - 8.70
tribasic, cryst., bgs., c.l., works, frt. equald..100 lbs. 4.05 - 5.30
l.c.l., same basis..100 lbs. 4.45 - 6.20
Sodium phosphates in bbls. 40c. higher than bgs.
Prussiate, yellow, bgs., 10-ton lots. lb. .13½- —
smaller lots.....lb. .14 - —
Pyrophosphate acid, bgs., c.l., works, frt. equald..100 lbs.10.00 -10.75
ferric, dms., 1,500-lb. lots, works..lb. .30 - —
smaller lots, works....lb. .31 - —
tetrabasic, anhy., bgs., c.l., works, frt. equald..100 lbs. 7.50 - —
l.c.l., frt. equald..100 lbs. 7.90 - —
Salicylate, USP, dms.....lb. .63 - —
Sesquicarbonate, bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., dlvd., zone 1....100 lbs. 3.85 - 4.25
zone 2.....100 lbs. 4.11 - 4.51
zone 3.....100 lbs. 4.40 - 4.70
zone 4.....100 lbs. 5.11 - 5.50
Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.
bbls., c.l., works.....100 lbs. 2.45 - —
Sesquisilicate, anhy., dms., c.l., works..100 lbs. 5.50 - —
l.c.l., works.....100 lbs. 7.00 - —
Silicate, liquid, 40°, turbid., dms., c.l., works..100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.60 - 1.85
tanks, works.....ton.19.00 - —
52°, turbid., dms., c.l., works. 100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.50 - 2.75
tanks, works.....ton.37.00 - —
solid, bgs., works.....ton.55.00 - —
Silicofluoride, bgs., c.l., works..lb. .070 - —
l.c.l., works.....lb. .075 - .075
Stannate, dms., works, frt. alld. E..lb. .660 - .716
Stearate, tech., dms., works....lb. .43 - .44
USP, dms., works.....lb. .70 - .75
Sulphanilate, bbls., works.....lb. .22 - —
Sulphate, NF, VII, dried, gran., dms..lb. .22½- —
tech., anhyd., bgs., c.l., works, frt. allowance to $10. 100 lbs. 2.23 - —
Sodium sulphate, tech., anhyd., bgs., l.c.l., works, same basis. 100 lbs. 2.50 - 3.00
cryst. (see Glauber's salt).
rayon grd., bgs., c.l., works. ton.27.00 - —
l.c.l., works.....ton.33.00 - —
USP, cryst., fib. dms.....lb. .17½- .18
gran., fib. dms.....lb. .17½- .18
Sulphide, flake, bbls., c.l., works, E., frt. equald.....ton.100.00 - —
l.c.l., same basis.....ton.108.00 - —
fused, bbls., c.l., works, E. frt. equald..ton.88.50 - —
l.c.l., same basis.....ton.96.50 - —
Sulphite anhyd., bgs., c.l., works. 100 lbs. 2.73 - —
l.c.l., same basis....100 lbs. 2.23 - 5.58
regular, cryst., bgs., c.l., works. 100 lbs. 4.80 - —
l.c.l., same basis..100 lbs. 5.20 - 6.45
powder, bbls., c.l., works 100 lbs. 6.75 - —
l.c.l., works.....100 lbs. 7.25 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls.....lb. No prices
Sulphydrate, flake, 70-72%, dms., works, c.l...ton.115.00 - —
l.c.l., works.....ton.125.00 - —
liquid 34-40%, 100% basis, tanks, works..ton100.00 -117.60
Tetraborate (see Borax).
Tetrasulphide, liquid, 40%, dms., c.l., works..lb. .03¼- —
l.c.l., works.....lb. .03¾- —
Thiocyanate, CP, dms.....lb. .55 - .65
tech., dms., works.....lb. .30 - —
Thiosulphate, NF, cryst., bbls..lb. .12½- —
tech (see Sodium hyposulphite).
Titanate, ctns., c.l., works....lb. .10½- —
5 tons, works.....lb. .10¾- —
1 ton or less, works.....lb. .11 - —
Sodium trichloroacetate, 90%, 100-lb. dms., c.l., frt. alld., E..lb. .37½- —
l.c.l., frt. adjusted, E lb. .39½- —
50-lb. dms., c.l., frt. alld., E..lb. .38 - —
l.c.l., frt. adjusted, E lb. .40 - —
10-lb. cns., c.l., frt. alld., E lb. .44 - —
l.c.l., frt. adjusted, E. lb. .46 - —
Prices West of the Rockies are 1¾c. per pound higher.
Tripolyphosphate, bgs., c.l., works, frt. equald.....100 lbs. 7.85 - —
l.c.l., same basis.....100 lbs. 8.25 - —
Tungstate, tech., kgs., dlvd. E lb. 3.15 - —
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymethylcellulose. See CMC.
Sodium-cinchopnen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, c.l., dms., dlvd lb. .25½- —
l.c.l., same basis lb. .26 - —
Sodium sulpha, drugs (see Sulpha name).
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less than 1,000 lbs., same basis lb. .30 - —
Solvent naphtha, coaltar, tanks, works gal. .31 - .34
high-flash, tanks, works gal. .31 - .34
petroleum, 100°F., tanks, Baytown, Tex. gal. .31 - —
Bayonne.....gal. .35 - —
150°F., flash, tanks, Baytown, Tex gal. .31 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .32 - —
10,000 to 20,000 lbs., works lb. .34 - —
smaller lots, works.....lb. .37 - .39

Sodium Hyposulphite—Spikenard Root

Sodium tristearate, fib. dms., 20,000 lbs. works..lb. .33 - —
10,000 to 20,000 lbs., works..lb. .35 - —
smaller lots, works.....lb. .38 - .40
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton-lots to 5 tons, works.. lb. .32 - .33
powd., dms., ton lots to 5 tons, works lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works lb. .24¼- —
ton lots, works.....lb. .25 - —
less ton lots, works..lb. .25¼- —
tanks, works.....lb. .23¼- —
regular, 70%, aqueous, dms., c.l., works..lb. .16 - —
ton lots, works.....lb. .16¾- —
less ton lots, works..lb. .17 - —
tanks, works.....lb. .15 - —
Soybean meal, 41% bulk Decatur. ton.31.00 - —
protein chemically isolated 40,000 to 60,000 lbs., dlvd lb. .25½- —
20,000 to 40,000 lbs., same basis lb. .25¾- —
100 to 20,000 lbs., same basis lb. .26¼- —
mechanically refined, bgs., 40,000 lbs., same basis lb. .0600- —
20,000 lbs., same basis..lb. .0615- —
smaller lots same basis..lb. .0630- —
Sparteine sulphate, cns.....oz. .85 - 1.25
Spearmint leaves, bls.....lb. .60 - .65
Spikenard root, bls.....lb. .32 - .45



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Monochlorobenzene
Ammonium Chloride

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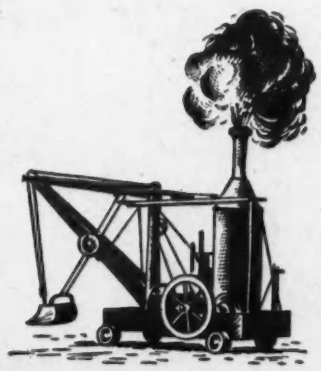
No. 12—The Analysis of Liquid Chlorine and Bleach
No. 14—Chlorine Bleach Solutions
No. 16—Calcium Chloride

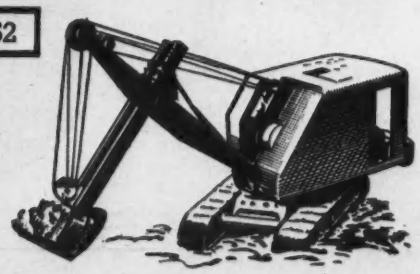
Spruce Extract—Timbo Root

Spruce extract liq. reg., tanks, works..lb. .01¾- —
powd. super bgs., c.l., works. lb. .05¼- —
l.c.l., works.....lb. .05¾- —
Squaw vine leaves, bls.....lb. .45 - .46
Squill red fortified powd., bbls. boxes..lb. 1.60 - —
white, bls.....lb. .10 - .14
powd., bbls., bxs.....lb. .16 - .20
St. John's bread edible, bls.....lb. .10 - .13
Stannous chloride (see Tin chloride stannous)
Star root (see Helonias root)
Stargrass root (see Aletris root)
Starch, corn, pearl, paper bgs., c.l., N. Y..100 lbs. 7.29 - —
l.c.l. .....100 lbs. 7.44 - —
powd., paper bgs., c.l..100 lbs. 7.41 - —
l.c.l. .....100 lbs. 7.47 - —
Prices for corn starch in cotton bags 25c. per 100 lbs. higher.
Potato, Idaho, bgs., c.l., works.lb. No stocks.
Maine, bgs., c.l., works....lb. .10½ Nom.
l.c.l., spcl.....lb. .10¾- .12
Rice, l.c.l., bgs.....lb. .11 - .12¼
Wheat, bgs. .....lb. .0675- .0710
Stavesacre seed, bgs.....lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls.....lb. .28 - .30
Stoneroot, bls.....lb. .07¼- .08
Storax, USP, cs.....lb. 1.50 - 1.60
Stramonium leaves, bgs.....lb. .16 - .18
Streptomycin, either hydrochloride or sulphate, bulk, 50-kilo lots or more..gram. .27 - —
unlabeled, 1-gram vials, 1 to 500,000 vials..vial. .30 - —
5-gram vials, 1 to 500,000 vials..vial. 1.32 - —
Strontium bromide, NF, cns., dms. lb. .77 - .78
Carbonate, 92%, dms.....lb. .25 - .30
Chloride, tech., bbls.....lb. .24 - .26
Chromate, bbls., works.....lb. .46 - —
Iodide jars, 25-lb. lots.....lb. 3.37 - —
Nitrate, bbls., cs, works.....lb. .10¼- .11
Oxalate, bbls., works.....lb. No prices.
Salicylate, NF, dms.....lb. 1.65 - —
Sulphate, air floated, 90%, 325 mesh bgs., works .ton.56.70 -66.15
Strontium-calcium sulphide phosphorescent, dms., works...lb. 2.80 - 2.85
Strophanthin, NF, bots.....oz.25.00 -25.50
Strophanthus seed, Komba, bgs...lb. 3.00 - 3.25
Strychnine, NF, powd., cans., 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs.....oz. 1.14 - —
Sulphate, USP, powd., cans, 100 ozs..oz. 1.00 - —
Styrene monomer, dms., c.l., works lb. .22¼- —
l.c.l., works.....lb. .23¼- —
tanks, works.....lb. .21 - —
Styrolyl acetate, bots.....lb. 1.50 - 1.75
Sucrose octa-acetate, denaturing grd., 100-200-lb. bgs., l.c.l., works..lb. .71 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms.....lb. 4.00 - 4.50
Sodium, dms. .....lb. 4.00 - 4.50
Sulphacetamide, fiber dms.....lb. 4.00 - 4.50
Sodium, fib. dms.....lb. 5.00 - 5.50
Sulphadiazin, USP, crystals, free flowing, dms..lb.11.25 -11.75
microcrystals, 99%, not over 10 microns, dms..lb.10.60 -11.10
powder .....lb.10.25 -10.75
Sulphadiazin-sodium, USP, dms..lb.11.25 -11.75
Sulphaguanidin, USP, dms.....lb. 4.50 - 5.00
Sulphamerazin, USP, micro crystals, 99.9%, not over 10 microns, dms..lb.10.65 -11.15
powder, dms.....lb.10.25 -10.75
Sulphamerazin-sodium, USP, dms., lb.11.25 -11.75
Sulphamethazine, micro crystals, dms..lb. 8.90 - 9.40
powder, dms.....lb. 8.50 - 9.00
Sulphanilamide, USP, 30-80 mesh., dms..lb. 1.40 - 1.60
microcrystals, dms.....lb. 1.70 - 1.90
powder, dms.....lb. 1.30 - 1.50
Sulphanilamidoquinoxaline veterinary, dms..lb. 6.50 - 6.75
Sulphapyridin, NF, powd., bots., tins. lb. 7.00 - 7.50
Sulphapyridin-sodium monohydrate, dms..lb. 7.50 - 8.00
Sulphathiazole, USP, crystals, free flowing, dms..lb. 4.00 - 4.50
micro, crystals, 99.9%, not over 10 microns, dms..lb. 3.85 - 4.15
powder, dms.....lb. 3.50 - 3.80
Sulphathiazole-sodium, USP, dms., lb. 3.50 - 3.80
Sulphur, commercial, flour, bgs., mines..100 lbs. 2.05 - —
bbls., mines.....100 lbs. 2.20 - —
lump, bgs., mines.....100 lbs. 1.70 - —
bbls., mines.....100 lbs. 2.00 - —
crude, bulk, c.l., mines, contract, long ton.21.00 -22.00
f.o.b., vessels, Gulf ports, export..long ton.25.00 -27.50
domestic and Canada..long ton.22.50 -23.50
refined, flowers, USP, bgs., mines, 100 lbs. 3.60 - —
bbls. .....100 lbs. 4.75 - —
flour, light, bgs., mines..100 lbs. 3.35 - —
bbls., mines.....100 lbs. 4.25 - —
Sulphur, refined, lump, bgs., mines, 100 lbs. 2.90 - —
rolls, bgs., mines.....100 lbs. 3.35 - —
bbls., mines.....100 lbs. 3.80 - —
salt block, bgs., mines..100 lbs. 3.10 - —
virgin block, bbls., mines.100 lbs. 3.05 - —
rubbermakers, com'l, regular bgs., mines..100 lbs. 2.25 - —
bbls., mines.....100 lbs. 2.40 - —
98-100% passing through 325 mesh, bgs., mines..100 lbs. 2.25 - —
bbls., mines.....100 lbs. 3.40 - —
refined, bgs., mines....100 lbs. 2.85 - —
bbls., mines .....100 lbs. 2.95 - —
treated, 2.5% mineral oil, bgs., mines..100 lbs. 2.45 - —
bbls., mines.....100 lbs. 3.80 - —
10% pine tar, bgs., mines. 100 lbs. 3.65 - —
washed, NF, bot.....lb. .11 - —
Dichloride, dms., c.l., works, frt. equald..lb. .03½- —
l.c.l., same basis .....lb. .04¼- —
tankcars, same basis .....lb. .03¼- —
liquid, com'l, cyls., works..lb. .09 - —
multi unit cars, works ..lb. .0535- —
tanks, works.....lb. .045 - —
refrigeration, cyls., l.c.l., dlvd. lb. .20 - .36
Monochloride, 55-gal. dms., c.l., frt. equald..lb. .03½- —
l.c.l., same basis.....lb. .04¼- —
tanks, same basis.....lb. .03¼- —
Sumac leaf, 28%, bgs., ex-dock, short-ton.130.00 Nom.
ground, same basis....ton.130.00 Nom.
Superphosphate, run-of-pile, under 22% a.p.a., pulv., bulk, Balto..unit-ton. .86 - —
Carteret, N. J....unit-ton. .86 - .88
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla . unit-ton. .87 - —
Sweet basil, California, bgs.....lb. 1.05 - 1.10
imported, bgs.....lb. .48 - .49

• SODIUM BICHROMATE
• SODIUM CHROMATE
• POTASSIUM BICHROMATE
• SODIUM SULPHATE



over 40 years of progress in chemicals

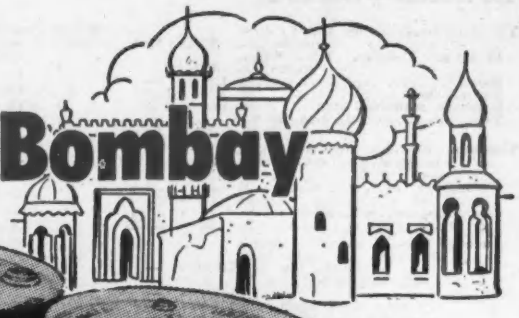


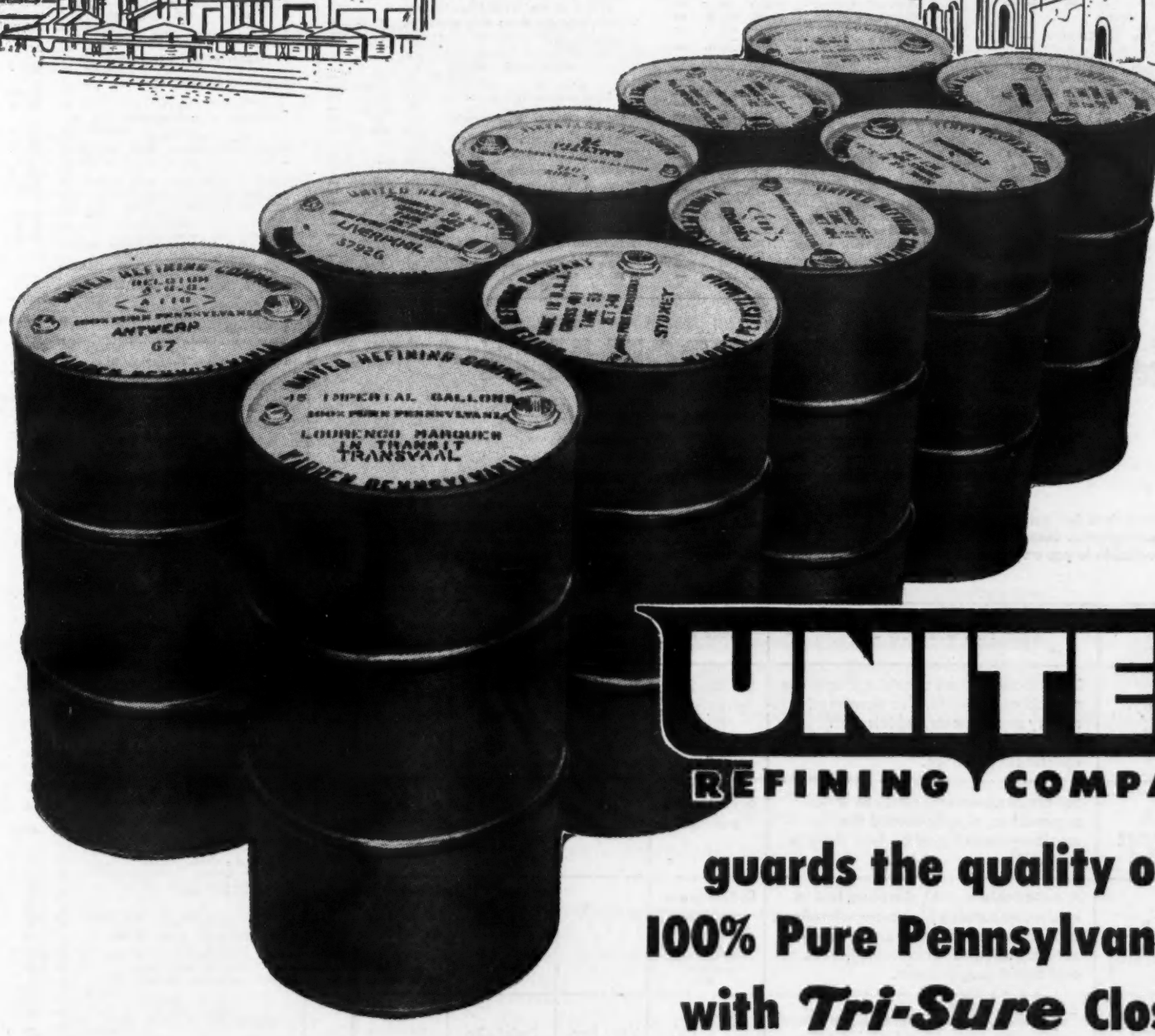
Natural
NATURAL PRODUCTS REFINING CO. • JERSEY CITY 5, N. J.

T

2,4,5-T, dms., c.l., works.....lb. 1.60 - —
l.c.l., works.....lb. 1.65 - —
Isopropyl ester dms. c.l., works. lb. 1.70 - —
l.c.l., works.....lb. 1.75 - —
Talc, dom., ordinary, Calif., grd., bgs., c.l., works..ton.25.00 -35.00
Vermont off color, grd., bgs., c.l., works..ton.14.00 - —
l.c.l., works ....ton.17.50 - —
fibrous, New York, grd., bgs., c.l., works..ton.25.00 -30.00
l.c.l. .....ton.28.00 -35.00
99.5%, 325 mesh, bgs., c.l., works..ton.27.00 - —
l.c.l., works ...ton.30.00 -32.00
imp. Canadian, grd., bgs., c.l., mines..ton.15.25 -35.00
Tallow, edible, tanks, dlvd.....lb. .08¼ Nom.
inedible, extra.....lb. .06¼- —
fancy.....lb. .06⅜- —
special.....lb. .05⅜- —
No. 1.....lb. .04⅜- —
sulphonated, 25%, dms., l.c.l lb. .07 - .07½
50%, dms., c.l.....lb. .10 - .10¼
Tamarind, W.I., bbls.....lb. .11 - .12
Tankage, animal, feeding, 9-11% ammo., bulk..unit-ton. 6.00 - —
Chicago .....unit-ton. 6.75 - —
Tansy leaves bls.....lb. .25 - .30
Tapioca flour, high grade, ex whse., bgs..lb. .10 - .12
medium grades, ex whse., bgs lb. .09½- .10¼
Java, ex whse., bgs.....lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., frt. equald..gal. .50 - —
l.c.l., same basis....gal. .52 - —
tanks, same basis.....gal. .40 - —
25-28%, dms., c.l., same basis. gal. .56½- —
l.c.l., same basis....gal. .58½- —
tanks, same basis.....gal. .46½- —
50-53%, dms., c.l., same basis. gal. .72½- —
l.c.l., same basis.....gal. .74½- —
tanks, same basis.....gal. .62½- —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tarragon herb, bgs.....lb. .45 - .50
Leaves, bgs.....lb. .65 - .70
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .56 - .59
dms. .....lb. .57 - .60
USP, powd., bbls., dms., kgs lb. .61 - .62
Terpin hydrate com'l bbls., c.l lb. .24½- —
l.c.l. .....lb. .25 - .25¼
NF, cryst., fib. dms.....lb. .70 - .75
powd., fib. dms.....lb. .75 - .80
Terpineol, alpha (see A).
commercial, dms., c.l., South lb. .13½- —
l.c.l., South .....lb. .14 - —
extra, dms.....lb. .48 - .50
prime, dms.....lb. .38 - .43
Terpinglycol ether, dms., c.l., works. lb. .23½- —
l.c.l. works.....lb. .25½- —
tanks, works .....lb. .22 - —
Terpinyl acetate, extra, cns., dms.lb. .55 - .70
prime, dms.....lb. .55 - .60
Propionate, dms.....lb. 1.75 - 2.00
Terra alba (see Gypsum).
Testosterone, USP, 100 gms., bots. gm. 1.90 - —
Propionate, USP, 100 gms., bots. gm. 1.90 - —
Tetrachloroethane, dms., works lb. .12½- —
Tetrachloroethylene, tech. (see Perchloroethylene).
USP, 55-gal. dms., works .....lb. .20½- .21¼
smaller, dms., works .....lb. .23½- .25
Tetraethyl orthosilicate, dms., c.l., works..lb. .71 - —
l.c.l. .....lb. .72 - —
Pyrophosphate, 40%, cns., dms., dlvd..lb. .714 - —
Tetraethylenepentamine, dms., c.l., dlvd., E..lb. .57½- —
l.c.l., dlvd. E .....lb. .58½- —
tanks, dlvd E.....lb. .56 - —
Tetrapotassium phosphate, (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thalium metal, dlvd.....lb.12.50 -15.00
Sulphate, 99%, bots., dlvd.....lb.10.50 -13.00
Theobromine, fib. dms.....lb. 4.50 - —
Salicylate, fib. dms.....lb. 4.75 - —
With sodium acetate, USP, dms.lb. 4.30 - 4.35
Sodio-salicylate, fib. dms.....lb. 3.60 - 3.65
Theophylline, anhydrous, or USP, 100-lb. dms lb. 5.00 - —
Thiamine hydrochloride, USP, regular or ampul-type, fib. dms..kilo.160.00 - —
Mononitrate, USP, fib. dms..kilo.160.00 - —
Thiocarbanilide, dms.....lb. .44 - .51
Thiodiphenylamine (see Phenothiazine).
Thiophene, dms., c.l., works.....lb. 1.98¾- —
l.c.l., same basis.....lb. 2.00 - —
Thiouracil, dms., works.....lb. 5.50 - 5.60
Thiourea, tech., dms., c.l., works.lb. .43½- —
l.c.l., works.....lb. .45½- —
Thorium nitrate, cs, works.....lb. 3.60 - —
Threonine dextro laevo, bots., 1-kilo lots..kilo.700.00 - —
Thyme, French, bgs.....lb. .19 - .20
Spanish, bls.....lb. .08 - .08½
Thymol, fib. dms.....lb. 2.80 - 2.75
Iodide, NF, dms .....lb. 9.30 - 9.45
Timbo root (see Cube root).

Safe . . . from Warren to Bombay





UNITED REFINING COMPANY

guards the quality of its 100% Pure Pennsylvania Oils with *Tri-Sure* Closures

Tri-Sure
Reg. U. S. Pat. Off.
CLOSURES

*The "Tri-Sure" Trademark is a mark of reliability backed by 30 years serving industry. It tells your customers that genuine Tri-Sure Flanges (inserted with genuine Tri-Sure dies), Plugs and Seals have been used.

From United's refineries in Warren, Pa., drums of 100% Pure Pennsylvania Oil are shipped to Bombay . . . Sydney . . . Antwerp . . . Casablanca . . . Rio . . . and other ports in every continent.

Many of these drums must travel over 8,000 miles—exposed to the severest weather and climatic changes. Yet the quality oil that leaves Warren is *delivered*—safe from leakage, contamination and tampering—because United's drums are protected by Tri-Sure* Closures.

The United Refining Company, like other shippers that have built a reputation for quality, has proved that *protection* must be as efficient as *production*. Instead of taking chances with your drum shipments, take the sure way to safeguard your product and prestige: when you order drums always specify "Tri-Sure Closures".

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
Tri-Sure Products Limited, St. Catharines, Ontario, Canada

Tin Chloride—Vitamin D

Tin chloride, stannous, anhyd., dms. works lb. .98½- .99½
Crystals, hydrous, bgs., bbls., works lb. .80¾- —
Metal lb. 1.21½- —
Oxide, dms lb. 1.23 - 1.24
Sulphate, stannous, bbls lb. 1.09 - 1.11
Tetrachloride, anhyd., dms., works lb. .89 - .90
Titanium dioxide anatase, chalk resistant, bgs., c.l., dlvd. lb. .21 - .21½
l.c.l., dlvd. lb. .22 - .22½
regular, bgs., c.l., dlvd. lb. .21 - .21½
l.c.l., dlvd. lb. .22 - .22½
ceramic, bgs., c.l., dlvd lb. .21 - .21½
l.c.l., dlvd lb. .22 - .22½
metallurgical, natural, granular, bgs., c.l., f.o.b. Jacksonville, Fla ton.110.00 - —
c.l., Niagara Falls, N. Y. ton.127.50 - —
5 tons, same basis ton.132.50 - —
ton lots, same basis ton.137.50 - —
(Milled, $7.50 per ton higher.)
rutile, non-chalking, bgs., c.l., dlvd. E lb. .23 - .23½
l.c.l., dlvd. E lb. .24 - .24½
Hydride, cns., works lb. 7.95 - 9.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd lb. .68 - .68½
Titanium dioxide and pigment in bbls., ¼c. higher, Pac. coast, c.l., dlvd. L.c.l., ex whse., ½c. higher.
Tetrachloride, tech., dms., c.l., works lb. .45½- —
l.c.l., works lb. .48½- .56½
tankcars, works lb. .44½- —
Toludin base, distilled, kgs lb. 1.30 - —
Tolu balsam, cns., dms lb. 4.60 - 5.90
Toluene (see Toluol).
Toluol coaltar industrial and nitration tanks, works:—
Bethlehem, Pa gal. .32 - —
Birmingham dist gal. .30 - —
Chicago dist gal. .33 - —
Cleveland dist gal. .32¾- —
Geneva, Utah gal. .26 - —
Hamilton, Ohio gal. .32 - —
Johnstown, Pa gal. .30 - —
Lackawanna, N. Y. gal. .33 - —
Lone Star, Tex gal. .35 - —
Lorain, Ohio gal. .31 - —
Minequa, Colo gal. .32 - —
Philadelphia Pa gal. .33½- —
Pittsburgh dist gal. .30 - —
Sparrow's Point, Md. gal. .32 - —
Syracuse, N. Y gal. .30½- —
Terre Haute Ind gal. .33½- —
Wyandotte, Mich gal. .34¼- —
Youngstown, Ohio gal. .30½- —
Petroleum, industrial, 2° tanks works:—
Albany, N. Y gal. .33 - —
Bayonne, N. J gal. .33 - —
Baytown, Tex gal. .31 - —
Chicago, Ill gal. .33 - —
Detroit, Mich gal. .33 - —
Philadelphia, Pa gal. .33 - —
Providence, R. I gal. .33 - —
Wood River, Ill gal. .33 - —
Tonga, 50% bark and vine, bls. lb. .75 - .80
Tonka beans, Angostura, cks lb. 1.75 - 1.80
Brazilian, Surinam, cs lb. 1.00 - 1.25
Totaquine, 100-oz lots, cns oz. .42 - —
Toxaphene, dms, c.l., works lb. .23 - —
truckloads, works lb. .23 - —
ton to truckloads, works lb. .26 - —
less than ton lots, works lb. .29 - —
Triacetin, dms., c.l., dlvd. E. of Rockies lb. .42¾- —
l.c.l., same basis lb. .43¾- —
tanks, same basis lb. .41 - —
Tributyl citrate, tech., dms., c.l. lb. .40½- —
l.c.l. lb. .41½- —
tanks lb. .39 - —
Phosphate, dms., c.l., frt. alld. lb. .51¼- .63½
l.c.l., same basis lb. .52¾- .64½
tanks lb. .50 - —
Tributylamine, dms., c.l., works, lb. .73½- —
l.c.l., same basis lb. .75 - —
tanks, same basis lb. .72 - —
Trichlorobenzene dms., c.l., works, frt. alld. lb. .12½- —
l.c.l., frt. alld lb. .13½- —
tanks, frt. alld lb. .11 - —
Prices in the West 1¾c. higher.
Trichloroethane, dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½- —
tanks, works lb. .11½- —
Trichloroethylene, dms., c.l., or truckloads, works, frt. equald lb. .11 - —
dlvd. E lb. .12½- —
l.c.l., works, frt. equald lb. .11½- —
dlvd. E lb. .13½- —
tanks, works, frt. equald lb. .10 - —
dlvd. E lb. .11 - —
Tricholine citrate, 65% solut., ret. cbys., works, frt. adjusted. lb. 1.40 - 1.45
Tricresyl phosphate coaltar, dms., c.l., dlvd lb. .36¾- —
l.c.l., dlvd lb. .37¾- —
tanks, dlvd lb. .35 - —
petroleum, dms., c.l., dlvd lb. .36¾- —
l.c.l., dlvd lb. .37¾- —
tanks, dlvd lb. .35 - —
Triethanolamine, dms., c.l., dlvd. E lb. .26¼- —
l.c.l., same basis lb. .27¼- —
tanks, same basis lb. .24½- —
Triethylamine dms., c.l., works, frt. alld. E. of Rockies lb. .45½- —
l.c.l., same basis lb. .46½- —
tanks, same basis lb. .43¾- —
Triethyl citrate, tech., dms., c.l. lb. .37½- —
l.c.l. lb. .38½- —
tanks lb. .36 - —
Phosphate dms., works, c.l. lb. .38 - —
l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., dlvd. E. lb. .23¼- —
l.c.l., same basis lb. .24¼- —
tanks, same basis lb. .21½- —
Triethylenetetramine, dms., c.l., dlvd. E lb. .48½- —
l.c.l., dlvd. E lb. .49½- —
tanks, dlvd. E lb. .47 - —
Trimethylamine, 25-40%, dms., c.l., works, frt. equald, 100% basis lb. .38 - —
l.c.l., works, frt. equald, 100% basis lb. .38½- —
tanks, works, frt. equald., 100% basis lb. .33 - —
Tripentaerythritol, bgs., c.l., works. lb. .36½- —
l.c.l., same basis lb. .39½- —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .37 - —
l.c.l., frt. equald lb. .38 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli, air floated, bgs., c.l., works. lb. .02 - —
double grd., bgs., c.l., works lb. .0185- —
single-grd., bgs., c.l., works lb. .0175- —
Tripropyleneglycol, dms., c.l., frt. alld lb. .26¼- —
l.c.l., frt. alld lb. .27¼- —
tanks, frt. alld lb. .24½- —
Trisodium fluoroacetate (see sodium fluoroacetate tribasic).
Trisodium phosphate (see Sodium phosphate tribasic).
Trypsin, pharmaceutical, 1:80 dms., works lb. 5.00 - —
Tryptophane, dextro-laevo, 5lb. ctns. works kilo.132.00 -198.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms. works lb. 7.75 - —
Turmeric root, Alleppey, bgs. lb. .10 - .10½
Madras, bgs lb. .09 - .09½
Turpentine, gum and wood (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots gram. 1.00 - 1.10

U

Urethane, USP dms lb. 1.50 - —
Unicorn root, false (see Helonias root)
True (see Aletris root).
Uranium oxide, black, bgs lb. 2.55 - —
yellow, kgs lb. 1.65 - —
Urea, dom., 46%, N bgs., c.l., wks. lb. .05½- —
l.c.l., works lb. .06 - —
44% N, bgs., c.l., 30 tons, frt alld, Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton.142.00 - —
l.c.l., dlvd ton.146.00 - —
Urea-ammonia liquor, A and B grades, N basis, tankcars, Belle, W. Va ton.120.00 - —
C and D grades, tankcars, same basis ton.118.50 - —
37 grade, tankcars, same basis. ton.147.50 - —
Uva ursi leaves, bls lb. .08 - .10

V

Valerian root, Belgian, NF, bls lb. .40 - .42
Valine, dextro-laevo, dms., works lb. 21.00 -27.50
Valonia beards, 40-42% tannin, bgs., exdock ton. 88.00 -89.00
cups, 28-30% tannin, bgs., ex dock, ton.65.00 -66.00
extract, powd., bgs., ex dock, duty extra lb. .09¼- —
Vanadium pentoxide, CP, bgs., cns, contract, works lb. 7.00 - —
tech., dms., works lb. 1.28 - 1.33
Vanilla beans, Bourbon, tins lb. 2.75 - 3.25
Mexican, cuts, tins lb. 3.20 - 3.45
whole, tins lb. 4.00 - 4.50
Tahiti, cs lb. 2.25 - 2.50
Vanillin, ex eugenol, tins, 25 lbs. lb. 6.75 - —
smaller lots lb. 6.90 - 7.25
ex guaiacol, tins, 25 lbs lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25 lb. lots lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., c.l., works lb. .20¾- —
l.c.l., works lb. .21¼- —
tanks, works lb. .19¾- —
Butylether, normal, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Ether (see Ether divinyl).
Ethylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Methylether, cyls., works lb. .30 - —
tanks, works lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride, (see Trichloroethane).
Pyridin, ret. dms., works lb. 1.65 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units, 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in natural vegetable oil, 400,000 to 1,000,000 D units per gm bots., lots of 100 billion USP units, 1,000,000 units. .02 - —
lots of 1 billion USP units, 1,000,000 units. .025 - —
lots of less than 1 billion USP units, 1,000,000 units. .03 - —
Vitamin A, synthetic, acetate, crystalline, beads, 500,000 A units per gm 1,000,000 units. .17 - —
liquid, in oil, 1,000,000 A units per gm 1,000,000 units. .15 - —
natural, concentrates (see Oil, fishliver).
palmitate, liquid, 1,000,000-1,800,000 A units per gm. 1,000,000 units. .15 - —
in oil, 1,000,000 A units, per gm. 1,000,000 units. .15 - —
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxine hydrochloride).
B_{12}, crystalline, gm. or 5 gm. vials gram.350.00 - —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).

Roche has 5 TYPES OF RIBOFLAVIN
for your manufacturing needs

The table below summarizes for quick reference helpful facts about the 5 types of Roche riboflavin. Samples of these products and technical brochure are available to you on request to the Vitamin Division.

TYPE & NAME	PROPERTIES AND USES	SOLUBILITY	CRYSTAL MICRON SIZE	MELTING POINT	MOISTURE CONTENT
Riboflavin U.S.P. ROCHE REGULAR	Density and low electrostatic properties provide easy handling in powdered dietary supplements, tablets, soft gelatin capsules and in dry enrichment premixes.	0.140-.200 gram per liter ◆	under 10	275°-280°C.	0.8-1.5%
Riboflavin U.S.P. ROCHE SOLUTIONS TYPE	For use in parenteral solutions which approach or slightly exceed the maximum solubility of B_2. Less likely to crystallize out.	0.120 gram per liter ◆	under 20	285°-290°C.	0.2-1.5%
Riboflavin U.S.P. ROCHE HI-SOL TYPE	A metastable crystal, dissolves fast in cold water forming high supersaturations of *indefinite* stability against crystallization. Preferred for certain types of oral liquid preparations.	0.120 gram per liter Supersaturations of 1.200 grams per liter are possible. ●	under 2	270°-280°C.	0.8-1.5% Hygroscopic. Caution must be used during handling to prevent moisture pick-up.
Riboflavin-5'-Phosphate Sodium — 'ROCHE' Theoretical B_2 content: 73% ROCHE product: 70-73%	For various types of oral and parenteral preparations requiring high solubility. Has less bitter taste than U.S.P. types.	112 mg. per cc. ■	Very fine crystal	Indefinite	Small percentage of water of crystallization.
Riboflavin-5'-Phosphate Diethanolamine—'ROCHE' Theoretical B_2 content: 63% ROCHE product: 61-63%	For various types of oral and parenteral preparations requiring high solubility. Has less bitter taste than U.S.P. types.	Exceeds 130 mg. per cc. ▲	Very fine crystal	About 200°C.	Small percentage of water of crystallization.

◆ In water at room temperature after shaking with excess for 24 hours.

● In water at room temperature after shaking with excess for 5 minutes.

■ In water at room temperature at pH 6.9. Solubility varies with pH as shown in the following table:

pH	Solubility
3.8	43 mg. per cc.
5.6	66 mg. per cc.

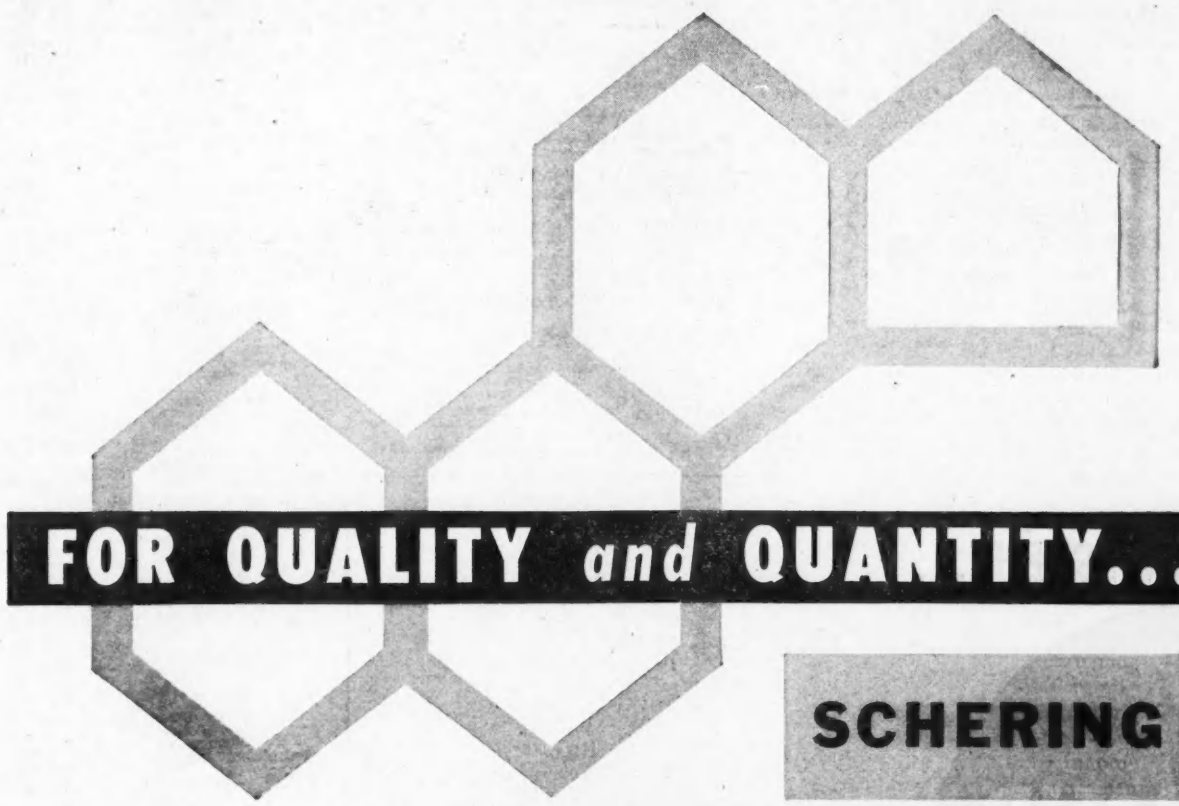
▲ At room temperature, at pH 5.0. Equivalent to 80 mg. of riboflavin.

PACKAGING—Packed in polyethylene bags in fibre drums in range of sizes as follows: *Regular*, available in 1 to 20 Kg. *Solutions Type*, available in 1 to 10 Kg. *Hi-Sol* (Hygroscopic), available in 100 and 500 gram glass bottles. *5'-Phosphate Ester Compounds*, in polyethylene bags in fibre drums. Smaller quantities than those listed are packed in amber screw cap bottles.

Call ROCHE for vitamins

Vitamin A acetate and palmitate synthetic Ascorbic Acid
Sodium Ascorbate Panthenol Riboflavin Biotin
Riboflavin-5'-Phosphate Sodium Riboflavin-5'-Phosphate Diethanolamine
Thiamine hydrochloride Thiamine mononitrate Niacin Niacinamide
Pyridoxine hydrochloride *dl*-alpha-Tocopherol unesterified and acetate

VITAMIN DIVISION • HOFFMANN-LA ROCHE INC.
Nutley 10, N. J. • NUtley 2-5000
Pacific Coast distributors: L. H. BUTCHER COMPANY, San Francisco, Los Angeles, Seattle, Portland, Salt Lake City
In Canada: Hoffmann-La Roche, Ltd., Montreal, Que.



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Vitamin D_2 (see Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
H (see Biotin).
K, Active (see Menadione).
K_1, 25 gm. bots.....gram. 4.50 - —
Violet methyl toner (see Blue, methylviolet toner)
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls.....lb. 1.80 - 1.85
Tree bark, bls.....lb. .75 - .90
Warfarin, 0.5%, dms., 50 lb. lots, f.o.b. N. Y. or Chicago..lb. 1.95 - —
25-49 lb. lots, same basis..lb. 2.05 - —
5-24 lb. lots, cns., same basis.lb. 2.15 - —
Wattle bark, fair average, or E. Afr., bgs., ex dock ton.103.00 - —
merchantable, bgs., ex dock.ton.99.00 -100.00
extract, liquid 35% tannin, bbls., works..lb. .10¾- .11
solid, E. Africa, 61% tannin, bgs., ex dock, duty extra, lb. .11 - —
S. Africa, 62%, tannin, ex-dock, duty extra..lb. .11½- —
Wax amorphous (see Wax microcrystalline).
Bayberry, bgs., spot.....lb. .55 Nom.
Bees, bleached, USP, bricks, cs. lb. .73 - .74
slabs, bgs.....lb. .71 - .72
crude, African, bgs.....lb. .45 - .47
Brazilian, bgs.....lb. .70 Nom.
Central American, bgs....lb. .56 - .57
refined, yellow, bricks, cs..lb. .65 - .66
slabs, bgs.....lb. .63 - .64
Wax, candelilla, crude, bgs.....lb. .75 - .77
refined, bgs.....lb. .77 - .79
Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, bgs., ton lots, lb. .94 - .95
North Country, No. 2, bgs., ton lots..lb. 1.02 - 1.03
No. 3, crude, bgs., ton lots..lb. .98 - 1.00
refined, bgs., ton lots...lb. 1.03 - 1.04
yellow, No. 1, bgs., ton lots..lb. 1.28 - 1.30
No. 2, bgs., ton lots.....lb. 1.26 - 1.28
Powdered carnauba price differentials same as powdered candelilla.
Esparto, African.....lb. .80 - .82
Japan, bgs.....lb. .30 - .32
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000, lbs. group 3, works..lb. .13 - .14
Less than 20,000 lbs., same basis..lb. .14 - .15
170°-175° m.p., ASTM, black, ctns., 20,000 lbs., same basis..lb. .11½- .12½
Less than 20,000 lbs., same basis..lb. .12½- .13½
white, ctns., 20,000 lbs., same basis..lb. .24 - .25
less than 20,000 lbs., same basis..lb. .25 - .26
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis..lb. .16 - —
less than 20,000 lbs., same basis..lb. .17 - —
black, ctns., 20,000 lbs., same basis..lb. .14½- —
less than 20,000 lbs..lb. .15½- —
Wax, microcrystalline, 180°-185° m.p., ASTM white, ctns., 20,000 lbs. same basis..lb. .27 - —
less than 20,000 lbs., same basis..lb. .28 - —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20½- —
less than 20,000 lbs., same basis..lb. .21½- —
black, ctns., 20,000 lbs., same basis..lb. .19 - —
less than 20,000 lbs., same basis..lb. .20 - —
white, ctns., 20,000 lbs., same basis..lb. .33½- —
less than 20,000 lbs., same basis..lb. .34½- —
Montan, dom., refined, bgs.....lb. .31 - .32
German, crude, bgs.....lb. .13 - .14
Ouricury, ref., bgs.....lb. .79 - .80
Paraffin (see P...
Spermaceti, blocks, cs.....lb. .24 - .26
cakes, cs.....lb. .25 - .27
Sugar cane, crude, imp.....lb. .75 - .80
ref., dom., works.....lb. .77¼- .82¼
spot.....lb.
White lead (see Lead., white).
White pine bark, rossed, bls....lb. .17 - .18
White precipitate, USP, powd., dms., lb. 5.00 - —
Whiting, limestone, dry-grd., 99.5%, 325 mesh bgs., c.l., works. ton. 6.00 -10.00
smaller lots, works..ton. 6.50 -15.00
wet-grd., bgs., c.l., works..ton.16.00 -30.00
smaller lots, works....ton.21.00 -35.00
Paris white, bgs., c.l.....ton.24.00 -31.00
l.c.l.....ton.25.00 -40.00
Precipitated, bgs., c.l.....ton.18.00 -20.00
l.c.l.....ton.25.00 -35.00
Wild cherry bark, thick, natural, bls..lb. .06 - .07
thin, natural, bls.....lb. .17 - .19
rossed, bls.....lb. .19 - .22
Ginger (see Snake root, Canada).
Indigo root, bls.....lb. .30 - .31
Yam root, bls.....lb. .16 - .17
Witch hazel leaves, bls.....lb. .19 - .20
Woodflour, 40 mesh, bulk, c.l., works, East..ton.32.00 - —
l.c.l., same basis.....ton.36.80 - —
60 mesh, bulk, c.l., same basis.ton.37.00 - —
l.c.l., same basis.....ton.42.00 -55.00
80-100 mesh, bulk, c.l., same basis. ton.45.00 -50.00
l.c.l., same basis.....ton.51.75 -57.50
Woodflour in bgs. extra, returnable.
Woolfat, crude (see Degras). USP (see Lanolin).
Wormseed, American, bgs.....lb. .14 - .16
Levant, bgs.....lb. 4.25 - 4.50
Wormwood leaves, bls.....lb. .35 - .45

X

Xanthorrhiza root, bls.....lb. .28 - .30
Xylene (see Xylol).
Xylenol, cryst., 56°-58°C. m.p., ret. dms., l.c.l., works, frt. equald. lb. .25 - —
45°-47°C, dms. c.l., same basis. lb. .153 - —
l.c.l., same basis.....lb. .156 - .215
tanks, same basis.....lb. .14 - —
fractions, over 7°C, b.r., except meta, dms., c.l., same basis. gal. 1.31 - —
l.c.l., same basis.....gal. 1.34 - —
tanks, same basis.....gal. 1.20 - —
meta fraction, over 7°C., dms., c.l., same basis..gal. 1.46 - —
l.c.l., same basis.....gal. 1.49 - —
tanks, same basis.....gal. 1.35 - —
Xylidins, mixed, dms.....lb. .39 - .50
Xylol, coaltar, industrial, tanks, works
Bethlehem, Pa.....gal. .33 - —
Birmingham district...gal. .30¼- —
Chicago district.....gal. .33½- —
Cleveland district.....gal. .33 - —
Geneva, Utah.....gal. .25 - —
Hamilton, Ohio.....gal. .32 - —
Johnstown, Pa.....gal. .31 - —
Lackawanna, N. Y.....gal. .33 - —
Lone Star, Tex.....gal. .35 - —
Lorain, Ohio.....gal. .31 - —
Minequa, Colo.....gal. .34 - —
Philadelphia, Pa.....gal. .33 - —
Pittsburgh district....gal. .30 - .33
Sparrows Point, Md...gal. .33 - —
Syracuse, N. Y.....gal. .30½- —
Terre Haute, Ind.....gal. .35 - —
Wyandotte, Mich.....gal. .34¼- —
Youngstown, O.....gal. .30½- —
Petroleum, indust., tanks, Albany, N. Y...gal. .33 - —
Bayonne, N J.....gal. .33 - —
Baytown, Tex.....gal. .31 - —
Chicago, Ill.....gal. .33 - —
Philadelphia, Pa....gal. .33 - —
Providence, R. I.....gal. .33 - —
Wood River, Ill.....gal. .33 - —

Y

Yara yara, cns.....lb. 2.25 - 2.65
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
90 Int'l B units per gram, 100-lb. dms lb. .52 - —
200 Int'l B units per gram, 100-lb. dms lb. .56 - —
300 Int'l B units per gram, 100-lb. dms lb. .60 - —
Yellow barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .35 - —
Barium chromate yellow price differentia in other States and city zones are those for chrome yellow below.
Benzidin, AAA, bbls., dlvd....lb. 1.91 - —
AAOT, bbls.....lb. 2.06 - 2.15
Cadmium, CP, all shades, bbls., frt. alld., E. of Rockies.lb. 3.20 - —
lithopone, all shades, bbls., frt. alld., E. of Rockies lb. 1.32 - —
Cadmium yellows, Los Angeles, and San Francisco, ex whse., 1c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island..lb. .29¼- —
Dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c. higher); Miss., N. C., S. C., Penna., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, 10 G, bbls., same basis as chrome..lb. 2.05 - 2.15
G, pigment, bbls.....lb. 1.91 - 2.05
Iron oxide, natural, bgs., c.l., works..lb. .0141- .0250
l.c.l., works.....lb. .0166- .0275
French type, bgs., c.l....lb. .04½- —
l.c.l.....lb. .04¾- —
Peruvian type, bgs., c.l...lb. .0165- —
pure, bgs., c.l., works....lb. .10 - —
l.c.l., works.....lb. .1025- —
Mercury oxide, bbls., 1,000-lb. lots lb. 4.15 - —
smaller lots.....lb. 4.17 - —
Ocher American golden, bgs., works lb. .01¼- .02¾
Zinc (chromate), bbls., dlvd..lb. .22½- —
basic, dlvd.....lb. .23¾- —
Yellow dock root, bls.....lb. .18 - .19
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .32 - .33
Yohimbine hydrochloride, bots., tins. oz. 4.75 - 5.25

Z

Zein, bgs., 30,000 lbs. lots, works lb. .38 - —
1,000-lb. to 30,000-lb. lots, works lb. .40 - —
smaller lots, works.....lb. .43 - —
Zinc acetate tech, bbls. dms, works. lb. .28 - —
NF VIII, dms.....lb. .53 - —
Borate, bgs., c.l., dlvd. E.....lb. .192 - —
l.c.l., dlvd. E.....lb. .202 - —
Carbonate, rectified, powd., dms. lb. .26 - —
tech, ruhbermakers bgs, works. lb. .15½- .16½
Chloride, NF, gran., dms.....lb. .42 - —
solution, 50%, dms., c.l., works. precipitated, powd., dms lb. .26 - —
100 lbs. 4.75 - —
l.c.l., works.....100 lbs. 5.35 - —
tanks, works.....100 lbs. 4.10 - —
tech., fused, dms., c.l., works.. 100 lbs. 9.60 - —
l.c.l., works.....100 lbs.10.00 - —
gran., fib., dms., c.l., works 100 lbs.10.60 - —
l.c.l., works.....100 lbs.11.00 - —
NF, gran., dms.....lb. .42 - —
Chromate (see Yellow zinc).

—Continued on page 46

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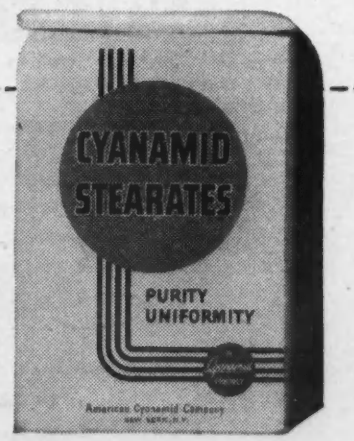

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Volume 162 July 21, 1952 Number 3

Business Must Fill It

Of all the many openings in governmental service for which a properly qualified businessman is immeasurably best fitted, here is the most important in many a day:—the Assistant Secretary of State who has held the primary economic post in the department in three setups is resigning. Of all the difficulties which lie around the getting of a businessman of proper caliber in all respects for an important government post, this presents the greatest.

That is a most unfortunate condition, because the Department of State has come to play a very influential part in the peculiarly constructed and more peculiarly operating economic functioning of the federal government in the international areas of ever-increasing peculiarities in all aspects of economics—political, social, and commercial. What with the functioning of this government in commercial economics alone, by way of the President, the Department of State, the Department of Commerce, the Tariff Commission, the Bureau of Customs, the Department of Justice, half a dozen emergency agencies—and the Congress, and the inevitable necessity of fitting all things to all men, with at least some measure of consideration for the United Nations and several other international organizations, the wonder is that things are not worse than they are—oh, yes; they could be!

The retiring state department economist intends to join the economic faculty of a university. He is more of a classical economist than a practical one; although he does not have the classicist's addiction to formulas to the exclusion of facts. He does not place theories wholly above technics or lean with expediency, rather than learn from experience. It would be most helpful in many directions if he would soon record fully his experiences during the period of revolutionary economic changes in which he had an opportunity to do much—and to learn more.

The assistant secretary will stay in his post until after the national election in November. Business should begin now to get ready to select a man to succeed him. How it should or can go about that very important task poses a problem with which very few are qualified even to generalize.

Businessmen, unfortunately, to judge from all available evidence, have not, as a class, kept properly informed on the changes which have come upon the world over the past four decades. This is particularly true of United States businessmen—largely because they have not been compelled to learn what those in other countries are finding, under duress, most difficult to assimulate. There are noted exceptions, men who know and have the courage to declare that international economic relations, political, commercial and social, must flow in both directions and cannot satisfactorily be channeled by the policies of either party alone. There is still far too much putting of economic relations in the category of the commercial alone and drawing a distinction from political and social relations which are inseparable therefrom—albeit in large measure incompatible therewith.

That condition is not helped by the manner in which the three aspects of economic relations are mixed up in the Department of State's current review of economic and social problems of the United Nations—and it is doubtful that anything like an adequate number of the business leaders who should take an interest in those affairs ever read the review. Businessmen have always been too much inclined to look upon the activities of government which do not infringe upon their operations as something outside the boundaries of their concern. The jolts they get every now and then because of that indifference do not appear to convey any helpful lesson.

Businessmen are needed in government today more than ever before. There is no greater need in that connection than that presented by the approaching vacancy in the personnel of the Department of State. What are they going to do about it? Can they get one of those few enlightened, farsighted of their numbers to accept the duty of serving the nation in a great need, serving the world in a still more serious situation, serving the commercial economy of both at least as well as the handling of their political and social affairs will be essayed by specialists in those lines? Can they find a man qualified to do that job under the inevitable necessity of working with the politically and socially purposed—which in large measure must mean working against them?

Can they find a man who knows that, in international commercial relations it is necessary to look far beyond today's profits, who, believing that foreign trade is "vital to American industry and defense" also recognizes that "he who would sell must also buy"? Having found such a man, can they get him to take the job? Will he be acceptable to those who run the Department of State? Would he, could he, stay that way?

Now is the time to start finding out.

Improving on Nature

In what to many is the dawn of a new (atomic) age in all areas of energy, when, at least, all sorts of new, let us say, molecular, methods of getting power are being mechanically applied, there persists a goodly measure of earnest scientific interest in the possibilities of what has, for centuries, been referred to as "harnessing the sun." Man, of course, has got much farther with the other natural source of energy—waterpower which, in no slight degree, depends on contributions of solar energy for having water in the right place. The problem of having it at the right time is still no closer to solution than it was a century and more ago when logging dams were a very important industrial equipment.

The persistence of the faith and hope relative to harnessing the sun, would seem to be somewhat anachronous when viewed by the side of the present-day efforts to by-pass or short-cut the assistance of solar energy and to find quicker means of converting the water of the oceans into materials more widely useful than merely as a road for transportation.

These newer technical approaches to the areas in which the sun has been operating for quite some time are being applied at two points in the long-known, resulting water cycle. The desalting aspects referred to here last week are in the category of by-passes. The short-cuts are being applied at the next stage of the cycle to get the sun-evaporated water down in the form of rain. The rainmaker has moved out of the shadows of religion and magic into the light of scientific processes. Congress has passed legislation in that area also and the nation is to have a governmentally sponsored study of how to make rain when and where it is wanted—and, perhaps, how to avoid the will of the majority or, at least, a very vociferous minority, which does not want rain either then or there.

Now that something is going to be done about the long-discussed weather, at least to the extent of helping the sun to water the earth, chemistry becomes still more a necessity in human existence; although there is a trend in scientific conversation to find a better servant in physics. Of course, seawater can be desalted by means of centrifugal operations, and it is said that supersonic "tickling" of a cloud is as efficient as chemical "seeding" in converting water from the gaseous to the liquid form. But, nobody yet has found out how to confine the results either by geographic or political boundaries or by public sentiment. It is not so much a matter of whether the fall is upon the just and the unjust as it is the position of the ready and the unready, or the attitude of the yeas and the nays. And there really is a shorter, better way to some of the desired ends in the areas of flood-control, when properly integrated with conservation. Science could do much more good in those areas than can be expected from the latest expedition which set out a few days ago to find out what composes the sedimented floor of the oceans; even though there is mineral wealth there; it will take more than science to get it into useful circulation. Improving on nature is an interesting undertaking. Man has quite a way to go before he can claim to have done relatively much since he began to make water wheels, windmills, and lightning-rods.

For the Bookshelf

BIOCHEMICAL PREPARATIONS. Volume II. Eric G. Ball, editor-in-chief. Cloth; 109 pages. New York: John Wiley & Sons, Inc. $3.

This volume deals with individual biochemical preparations, giving complete technical details on each of some twenty-three materials. Volume I of this series was a smaller book edited by Herbert E. Carter, and contained seventy-six pages.

Of special interest to many readers will be the details of biochemical preparation and use of C^{14} uniformly labeled sucrose for radioactive studies and tracer work. Each biochemical is treated from the standpoint, procedure, properties and purity of product, and methods of preparation.

Washington Talks

—Continued from page 5

States standards. Conversely, samples drawn in Europe when the same vessels are discharged are being used as a basis of establishing the grade.

A solution of the problem, or a removal of any misunderstanding, is considered especially important because of the growing competition in Western Europe from Manchurian soybeans. Western Europe purchased some 500,000 tons of Manchurian soybeans in 1951 compared with about 100,000 tons in 1950 and virtually none in earlier postwar years. Purchases from the United States totaled around 150,000 tons in 1950 and 250,000 tons in 1951.

NPA's Drive Against Violators

The National Production Authority has announced plans to step up its drive against violators, but unless there is a major change in the supply-demand picture, the agency's enforcement officers will be hard pressed to find any violators. As supply conditions improve and products are decontrolled, the area of operations of the enforcement officers becomes less and less—which is just what is happening.

It is primarily in the area of steel that enforcement officers may find their greatest area of operations. The work stoppage in the steel industry has caused an increase in the number of NPA's compliance problems, and the regional attorneys are being urged to exercise increased vigilance in uncovering infractions of NPA regulations.

NPA officials report that they are taking a very tough attitude towards violators of its regulations. They say that they will not agree to a plea of guilty from individuals in criminal cases in exchange for recommendations for fines. In every criminal action, NPA will seek a jail sentence in case of conviction.

This is believed to mean quite a change in enforcement policy because up to the present time, out of all the thousands of companies subject to CMP regulations, NPA has filed charges against only twenty-eight firms for alleged violations of the regulations.

Cellophane Supply Mix-Up

Cellophane was included in the listing of scarce materials by the National Production Authority last month, which upset the manufacturers and consumers no end. There isn't any scarcity of cellophane but when it was included on the list of the NPA it tended to create a shortage. NPA admits that a mistake was made and steps are being taken to have the item removed from the scarcity list.

The manufacturers say there is no backlog of orders, the industry is operating below capacity, and new production facilities are being added. The volume of business is generally below that of 1951 and the seasonal demand which usually develops in October is not expected to tax present production facilities, they report. Direct military orders are negligible at present, but these may increase later.

Supplies of the raw materials used in the manufacture of cellophane are also said to be adequate. These include carbon bisulphide, sulphuric acid, caustic soda and wood pulp. There is some concern that the continued strike at one of the large glycerin producers may curtail the availability of this material, but NPA officials believe that the expanding production of alternates, especially glycols, would tend to offset this loss in glycerin supply.

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Heavy Chemicals

Chemical index declined last week from 94.94 to 94.84. OPS made a slight rollback in the price of carbon tetrachloride. The production goal for this material is 331,000,000 pounds by January, 1955, and 107,000,000 pounds annually by the end of 1952. Quicksilver was priced lower with the supply situation unsettled abroad and domestic buyers content to await future developments. The steel strike has seriously cutback zinc shipments for galvanizing use and stocks have steadily increased.

Market conditions in heavy chemicals have not differed much so far this month. Closing of many consuming plants for the traditional vacation period has slowed down the demand for shipments and improved supply conditions. D.P.A. has called for capacity to produce 5,200,000 tons of soda ash by 1955. This figure is actually 500,000 tons less than the nation's capacity to produce the important alkali in 1951, D.P.A. stated that much less soda ash is expected to be used in the next few years in the manufacture of caustic soda by the lime-soda process because of the expanded production of electrolytic caustic soda. There appeared to be plenty of chlorine available but not enough cylinders. Calcium chloride demand has been well sustained for highway use. Between the hot dry spell and the steel strike, copper sulphate shipments have been hard hit. Nickel salts hold one of the tightest spots in the heavy chemical list. Facilities are ample to supply these materials but producers cannot get the metal. Sulphuric acid and all the other acids were in adequate supply to meet current demand.

Paper production based on a percentage of six-day capacity was 64.9 percent for the week ending July 5, according to the American Paper and Pulp Association. This compared with 50.5 in the preceding week and 93.7 for the corresponding week in 1951.

Production figures appearing below unless otherwise designated are from the Bureau of the Census.

Arsenic—The sole producer of white arsenic in Portugal had a favorable year in 1951. Output increased to 939,525 kilograms from 800,595 in 1950. Domestic sales doubled to 71,360 kilograms from 34,670 in 1950, but exports declined to 864,670 kilograms from 1,276,805 in 1950. Stocks were reported at a minimum at the end of the year and the total estimated 1952 production has been sold in advance. The United Kingdom was by far the principal purchaser in both 1950 and 1951; Australia was second. The company plans to construct a plant for calcining and refining arsenic, which will considerably increase its capacity. Equipment for the new plant will come principally from Western Germany; about 20 percent is to be manufactured in Portugal from German designs.

Calcium Carbide—Shipments to the steel industry have been held back during the strike and supply conditions have improved. Standard generator drums are available at $134.40 per ton, carlots delivered.

A large number of orders and adequate supplies of electric power caused chemical production in Bavaria to rise sharply in March 1952. The output of calcium carbide was 90 percent greater than in February. It is reported that sufficient orders are on hand to maintain the present level of production for at least the next few months.

Calcium Chloride—Consumer interest continued well sustained for highway dust control. The hot dry period has kept demand active. In producing quarters it was stated in some areas up state no rain has fallen for five weeks.

Carbon Tetrachloride—OPS made a slight rollback in prices which became effective July 12. The action was taken in amendment 8 to Supplementary Regulation 7, and supplants previous individual ceilings for the industry as contained in Ceiling Price Regulation 22. The new prices for technical in drums, carlots, delivered east of the Rockies 8.47c. per pound, l.c.l. 10.47c. West of the Rockies, carlots at stockpoints, 8.97c. and l.c.l. 11.07c. Tankcars, freight allowed east of Rockies, 7.72c. per pound, west of Rockies, 8.22c. per pound f.o.b. stockpoints. Supply position comfortable.

Chlorine—Producers are experiencing difficulty in securing cylinders but there appears to be no shortage of chlorine, in fact stocks are increasing under a relatively slow demand. Reports were again heard of cutback production although output is supposed to be undergoing sizable expansion.

Cobalt Sulphate—April output was placed at 62,253 pounds gross by the Bureau of Mines. Shipments amounted to 55,279 pounds and stocks on April 30 were 55,448 pounds, compared with 48,474 on March 31.

Copper Sulphate—Overall inquiry remained slow last week. The steel strike is holding back shipments to that industry while hot dry weather is preventing both bugs and blight in the potato growing areas and relatively little spraying has been necessary to date. Supply conditions have continued to improve and immediate shipments were available last week. Export allocations for the third quarter have not been announced and sales have quieted down temporarily.

Potash, Caustic—According to producers, there has been little indication of improvement in demand so far this month. Many of the soap and textile plants have closed down for the traditional vacation period and will not resume operations until after the turn of the month. There is no scarcity of stocks for immediate shipment.

Potassium Carbonate—Glass plants are showing no important interest at present and the market at best is a quiet affair. Stocks have continued readily available for immediate shipment.

Potassium Chlorate—Not appreciably different than other potash chemicals. Match factories are not bent on increasing inventories at present and the market is devoid of important activity.

Soda Ash—Demand at present is not taxing production and there are more than enough stocks to meet requirements. Inquiry from the glass, paper, soap and chemical industries has slowed down, with several plants closed for vacations. A quiet period temporarily is generally expected.

To permit stockpiling, fertilizers and materials for their manufacture, soda ash, caustic soda, sulphur and insecticides and their raw materials were among the commodities which received preferential treatment in Brazil in regard to exchange quotas and import licenses. However, requests for licenses will be rigidly inspected in the future, the export-import department of the Bank of Brazil announces.

Soda, Caustic—So far cutback production has not been reflected to any appreciable extent in supply conditions. Stocks of both dry and liquid forms are liberal at present, while there is no show of urgency in demand. Some producers do not look for any permanent pickup in inquiry this side of September.

Munich advices state that output of certain important chemicals was as follows in March, 1952, in metric tons (March, 1951, figures in parentheses): Chlorine, 5,868 (5,464); caustic soda, 6,701 (6,261); calcium carbide, 29,240 (26,964); sulphuric acid, 6,873 (5,769); hydrochloric acid, 1,135 (1,149); and phosphatic fertilizers, 3,285 (1,977).

Sodium Phosphate — Stocks continued adequate to meet current requirements in full. April production of tetra amounted to 8,104 tons, compared with 6,782 in March and 8,200 tons in April, 1951. Acid pyro output was down to 774 tons in April, against 954 in the preceding month, 821 tons in April last year. Tripoly production in April was 27,162 tons, compared with 29,768 in March and 24,897 tons in April, 1951.

Sodium Silicate — Stocks plentiful at present. April production of soluble silicate glass, liquid and solid anhydrous was placed at 36,784 tons, compared with 46,852 in March and 45,132 tons in April last year.

Sodium Sulphate — Production of anhydrous refined was lower in April. The total stood at 15,985 tons, compared with

For Late Market Developments, See Page 4

Market Trends

Prices Advanced
None

Prices Reduced
Carbon tetrachloride, .013c. per lb.
Quicksilver, $3 per flask.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	July 20, 1951
94.84	94.94	....	96.12

(For Current Prices see Page 9)

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17,562 in the previous month and 19,216 tons in April, 1951.

Sodium Sulphide—No unusual activity last week. Stocks remained comfortable. April production of concentrated was 2,335 tons, compared with 2,312 in March. Other output including liquid and crystal amounted to 1,193 tons in April, against 1,210 tons in March.

Sodium Sulphydrate—Market situation quiet. April production was placed at 1,509 tons, compared with 1,414 in March.

Sulphur—The domestic sulphur industry produced 460,058 long tons of native sulphur and 18,707 tons of recovered sulphur (of a purity of 97 percent or greater) during the month of May, according to reports of producers to the Bureau of Mines. Producers' stocks of native sulphur increased slightly and at the end of May stood at 2,827,506 tons.

An industry advisory committee has been told by NPA that domestic use of ground sulphur as a pesticide in 1952 is expected to fall 172 million pounds below the 1951 usage of 528 million pounds. The industrymen asked export quotas for ground sulphur and sulphur-containing formulations be adjusted to permit their export when not needed domestically. The committee also recommended the agency permit to stand unchanged its order limiting consumption of sulphur for agricultural purposes to 90% of 1950.

The Mining Bank of Bolivia has announced that it will establish agencies in sulphur areas near the Chilean border to stimulate production of this material and control exports. It is reported that United States interests will enter into an agreement with the Mining Bank to engage in sulphur operations in these areas.

Norway's output of pyrites declined to 696,217 metric tons in 1951 from 749,363 tons in 1950; 306,000 tons were used in the production of elemental sulphur. The Skorovas mine is scheduled to begin operations in the latter part of 1952 at an annual rate of 150,000 tons and the output is expected to find a ready market.

Sulphur Dioxide—April production was off slightly. The total was 3,448 tons, compared with 3,712 tons in the preceding month.

Acids

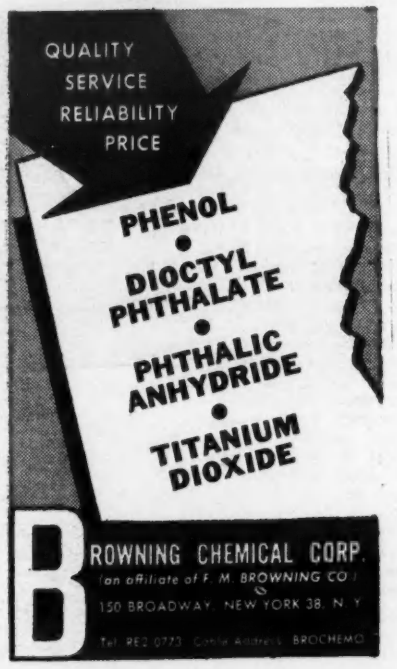
Chromic—Platers are not finding supplies a problem at present. Production has kept stocks ample to meet the current extent of industrial demand which is not of an urgent character.

Hydrofluoric—Stocks not excessive but meeting requirements without difficulty. Shipments for use in high octane gas have continued steady.

Muriatic—Shipments fair although not unusually heavy at present. The market has remained in ample supply and maintains a competitive position.

Oxalic—No appreciable improvement in demand last week. Occasional spot sales were noted but there was no interest in round lots either for immediate or forward shipment.

Sulphuric—Available stocks have increased in this area. Demand has slackened appreciably throughout the steel strike and it has not been an easy problem to divert shipments to other industries at the present time. Stocks were



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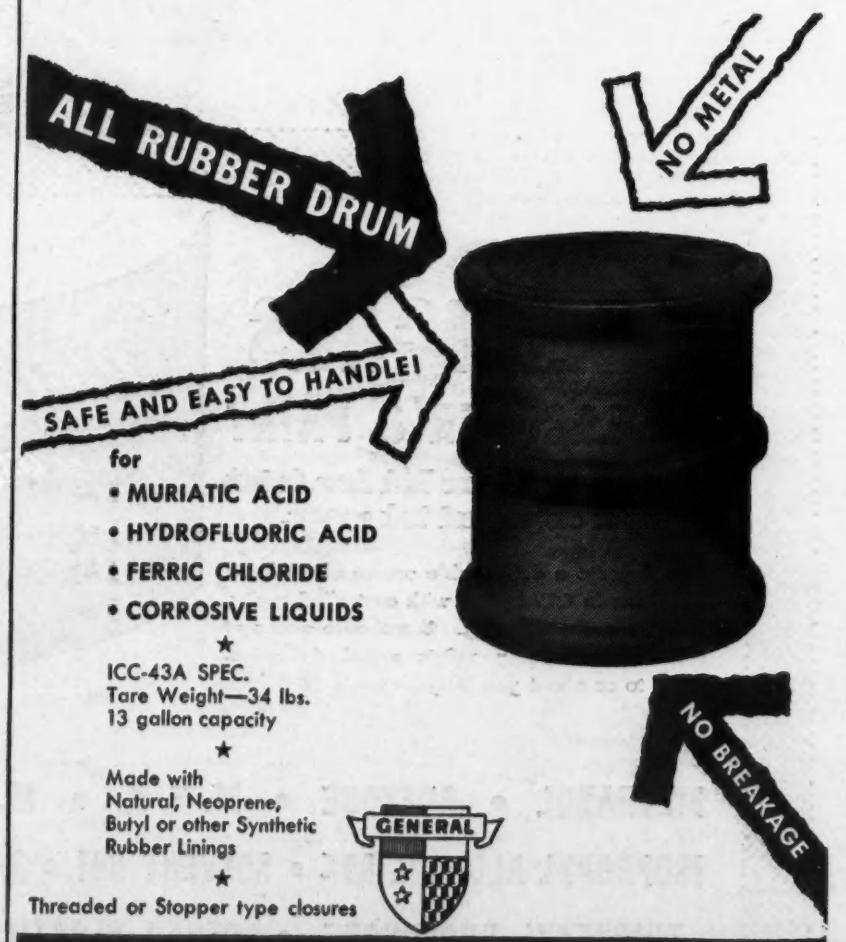

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Australia's production of sulphuric acid totaled 155,280 long tons in the first quarter of 1951, but increased to 172,500 tons in the second quarter. The 1950 quarterly average was 151,800 tons.

Nonferrous Metals

Aluminum—A new 1952 monthly high in primary aluminum production was reached in May, the Aluminum Association, reports. The 161,607,096 pounds of primary aluminum produced in May is more than 5 percent above the April output of 153,759,727 pounds. It also tops the May, 1951, production by more than 26,000,000 pounds. May shipments of sheet and plate reported sheet division also showed an increase over April—85,400,645 pounds in May, against 84,209,424 pounds the preceding month. According to foil division, aluminum foil shipments held to about the same level—6,216,916 pounds in May compared with April's total shipment of 6,013,522 pounds. The May shipments of permanent (and semipermanent) mold rough castings (except pistons) reported by the foundry division were 2,550,227 pounds with a value of $1,524,141.

Aluminum Scrap—Consumption of purchased and toll-treated aluminum-base scrap during February was 26,675 short tons, a decline of about 6 percent from the preceding month, according to the Bureau of Mines. The calculated recoverable metal content was 23,034 tons with 17,166 tons of metal recovered from new scrap and 5,868 tons from old scrap. Prices for aluminum scrap remained stable at ceiling prices throughout the month. New alloy sheet and clips, and borings and turnings constituted about 43 percent of the new scrap consumed; aircraft 19 percent, pistons and other castings and forgings 28 percent of the old scrap. By industries, secondary smelters consumed 71 percent of the new scrap, primary producers 24 percent, and foundries 5 percent. Of the old scrap, 95 percent was consumed by the secondary smelters, 4 percent by foundries and 1 percent by the primary producers.

Copper—Production of refined copper in June was placed at 92,151 tons, compared with 97,593 in May by the Copper Institute. Deliveries to fabricators amounted to 98,416 tons in June, against 105,362 in May. Stocks on June 30 were 70,056 tons, compared with 55,351 on May 31. Daily average production in June was 3,281 tons, against 3,399 in the preceding month. June production of crude copper was 76,510 tons compared with 85,638 in May.

Lead—Sales continued along moderate lines. It is expected that demand will increase shortly with the battery trade taking on August deliveries. Heavy importations in June, prior to the imposition of the increased duty have contributed to the current comfortable supply position.

Quicksilver—Priced lower at $190 to $193 depending upon quantity. Arrivals during the week eased the tight spot position. Uncertainty as to the attitude of foreign producers has kept buying interest at a minimum level.

San Francisco.—Metal quotations remained at $198 per flask over the week with stocks limited and buying interest quiet.

Silver—Mine production of recoverable silver increased one percent in May 1952 over that of the preceding month, but on a daily average basis was 3 percent less, according to the Bureau of Mines. Gains in production were scored in all the principal silver-producing states except Idaho nd Navada, which showed drops of 5 and 20 percent, respectively. For the states with greater production the gains were as follows:—Arizona, 2 percent; California, 10; Colorado, 8; Montana, 5; New Mexico, 3, and Utah, 5. Total production in May was 3,236,334 ounces. Daily average was 104,398 ounces.

Tin—Consumption in the manufacture of tin plate and terneplate decreased 14 percent in 1951, according to the Bureau of Mines. Total consumption of tin by this industry (including plant losses) was 32,172 long tons in 1951 compared with 37,408 tons in 1950. Tin mills operated at a lower rate in 1951 and produced 4 percent less tin plate than in the peak year 1950. About 61 percent of the tin used to make tin plate in 1951 was for hot-dipped and 39 percent for electrolytic. Hot-dipped tin plate production, however, accounted for only 35 percent and electrolytic 65 percent of the total output in 1951. Electrolytic tin plate requires considerably less tin per unit of product than hot-dipped. Electrolytic lines established a new annual record in 1951 and produced 5 percent more tin plate than in 1950. Hot-dipped tin plate production declined .16 percent and was the smallest tonnage recorded since 1932. Terneplate production required 20 percent less tin in 1951 than in 1950. Short terne output decreased 14 percent, whereas long ternes increased 3 percent. The use of pig tin for making tin plate and terneplate was limited by NPA Order M-8, which also permitted the use of tin for tin plate and terneplate in accordance with the provisians of NPA Order M-24. M-24 controlled the uses of tin plate and terneplate (for cans M-25, and closures M-26); the permitted materials in those uses, and the maximum permitted coatings of tin or terne metal. Effective July 1, 1951, tin plate and terneplate became subject to allotments under the Controlled Materials Plan (CMP).

Titanium—Although construction of a second furnace has been completed at the plant at Sorel, Canada, only the first one is in operation, as the company is attempting to perfect its treatment method for titanium-bearing ores before completing the other four furnaces to be established.

Zinc—Quiet trading featured the market last week and no expansion in activity is expected until the steel mills resume operations. Meanwhile, demand for galvanizing use has continued at a standstill. Under present conditions the supply situation has steadily improved.

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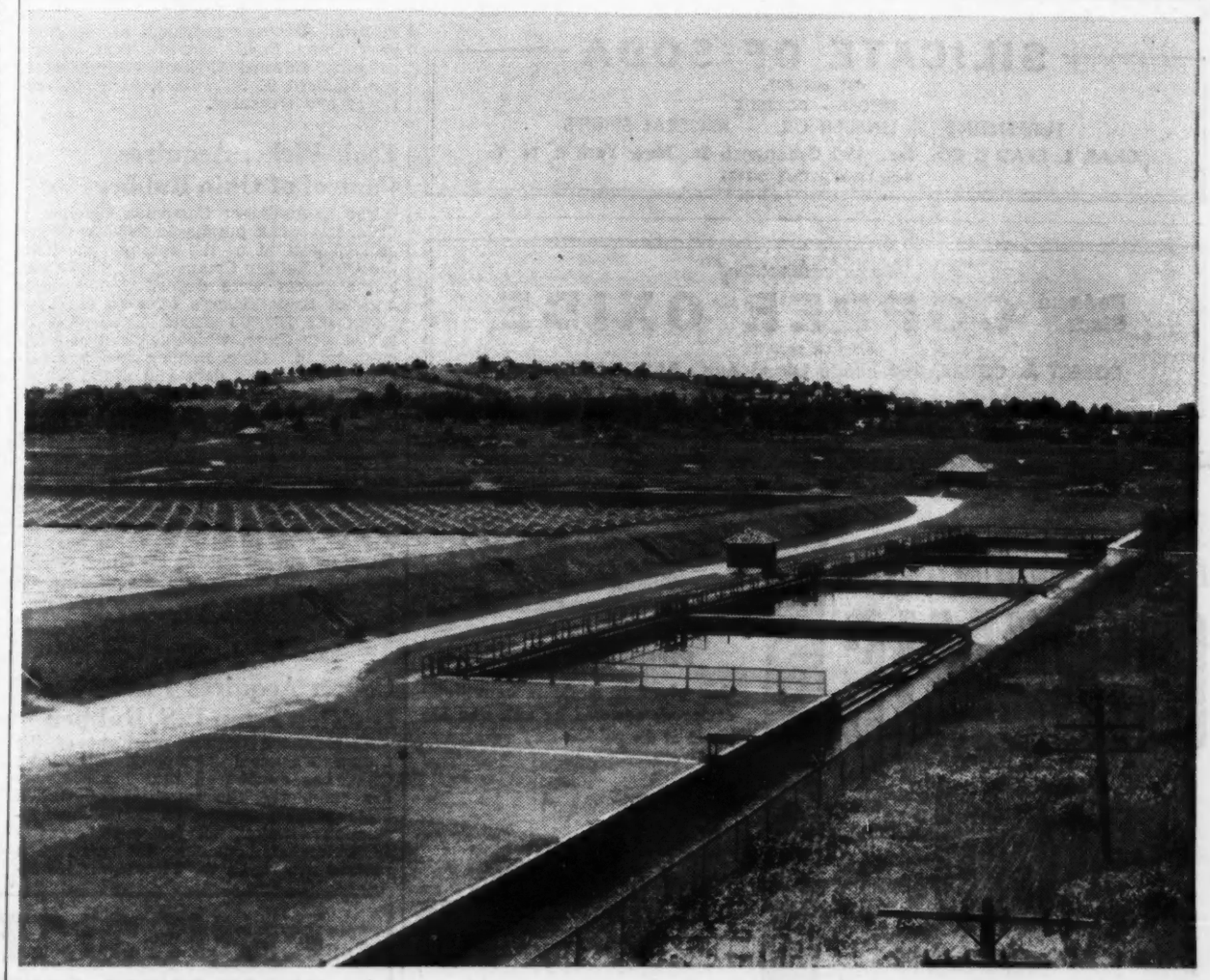

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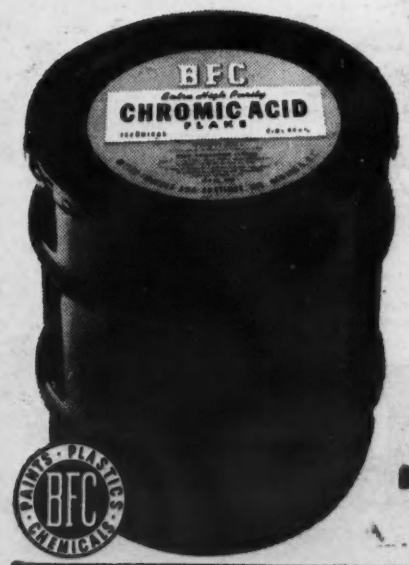

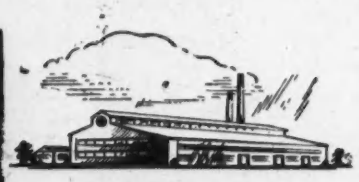

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American Encaustic Buys United Feldspar & Minerals

American Encaustic Tiling Company, Lansdale, Pa., announced last week the purchase of the controlling interest, representing about 85 percent of the stock, of United Feldspar & Minerals Corporation, New York. The acquisition was made through a wholly owned subsidiary of American Encaustic, the General Minerals Company.

United Feldspar operates mines in Maine for the production of feldspar, and owns three mines in North Carolina producing various grades of pyrophyllite. The plant at Staley, N. C., produces a high grade pyrophyllite for the tile, pottery and glass industries. The Glendon, N. C. plant ships pyrophyllite for insecticide and for fillers used in the manufacture of paint and rubber. The third mine is located at Stem, N. C., where it is expected that a new milling plant will be erected, designed to produce a more uniform grade of material to meet the company's quality requirements. No changes are contemplated in the products of the company, and the trade and specific customers will continue to be serviced as in the past.

Control of the United Feldspur was purchased from Mrs. Winifred L. Haag, former president of the company. Mrs. Haag remains a member of the board of directors together with the following:—Albert P. Braid, the new president of the company; John Boyd, vice-president of the company; Edward A. Scott, the treasurer, and Richard S. Schweiker, assistant secretary and treasurer.

Eagle-Picher Acquires Control of Ohio Rubber

The Eagle-Picher Company, Cincinnati, Ohio, last week purchased 245,580 shares or 98.2 percent of the common stock of the Ohio Rubber Company for $7,981,350. These shares were deposited in acceptance of Eagle-Pichar's offer to purchase all of the 250,000 shares outstanding at $32.50 per share, which expired at noon on July 14. Ohio Rubber also has $1,837,500 of funded debt and $1,915,900 of preferred stock which remains outstanding.

Ohio Rubber, whose origin dates back to 1873, is a leading manufacturer of mechanical rubber goods and produces a wide variety of moulded and extruded rubber products sold principally to the automotive, farm equipment and toy industries. In addition, the company is presently engaged in making tank tracks in substantial volume for the defense effort. Its plants are located at Willoughby, Ohio; Conneautville, Pa., and Long Beach, Calif.

Colton Acquires Insulation Division From U.S. Rubber

H. Seymour Colton, president of the Colton Chemical Company, Cleveland, Ohio, has announced that his company has completed the purchase of United States Rubber Company's "Flotofoam" insulation division, located until recently in Chicago. Acquiring the production process and rights to "Flotofoam" insulation is the latest step in Colton's program of making available a wide variety of plastic products. "Flotofoam" insulation—a urea formaldehyde plastic foam—will henceforth be produced by Colton under the name, "Colfoam".

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Cyanamid Sales Supervisor

J. D. McPherson has been appointed sales supervisor of the organic acids and plasticizers department of American Cyanamid Company's industrial chemicals division, New York. Mr. McPherson, who joined Cyanamid in 1945 as a member of its engineering department, was assistant to the director of purchases in the general purchasing department prior to his new appointment.

Nat'l Polychemicals Names Osberg General Manager

National Polychemicals, Inc., Boston, Mass., has named Edward V. Osberg general manager to direct the firm's overall activities.

National Polychemicals was recently formed for the purpose of manufacturing and selling specialty organic chemicals The new company is selecting a plant site near Boston, and expects to have operations under way within a year. The firm's activities will be centered in several related chemical fields and details will be announced later. Plans are under way to organize a research and development group, and emphasis will be placed on new product development.

Mr. Osberg comes to National Polychemicals from the General Tire & Rubber Company where he served as assistant manager of the chemical division. Prior to that he was vice-president of Wilmington Chemical Corporation and, earlier, editor of *India Rubber World*.

Amer. Smelting to Close Its Copper Mine in Bolivia

The American Smelting & Refining Company, New York, has announced that it is closing its Bolivian copper-mining subsidiary which operates the Coro Coro mine. It attributed the move to serious labor disorders and the "poor economic outlook."

On July 9, in accordance with Bolivian law, an official of the company explained, the subsidiary, Cia American Smelting & Refining, S. A., gave notice to the Bolivian government that the mine would cease operations in ninety days, on October 9. The mine, which has been operated at Coro Coro, by American Smelting since 1934, produces 300 tons of copper monthly in the form of concentrates.

Mohawk Forms Waste Dept.

Mohawk Metal Corporation, New York, has announced that it has formed a new department which will deal with the disposal of waste materials from chemical plants throughout the country. The department will be headed by Joseph Tyson. Its function will be to analyze samples of waste and study methods of reclaiming and marketing them.

New York City Now Requires Warning Label for Carbon Tet

The New York City Board of Health last week added a new section to the sanitary code requiring that any cleaning preparation containing carbon tetrachloride be labeled with special warnings against danger of misuse. Under the new law all products containing carbon tetrachloride except fire extinguishers must bear a warning statement on the front panel of the container in conspicuous lettering.

"This action of the board was taken," Dr. John F. Mahoney, Commissioner of Health and Chairman of the Board, said, "to prevent further illness and deaths from carbon tetrachloride cleaning compounds which killed at least twelve New Yorkers last year."

Hollingshead Development Post to Thomas H. Risk

R. M. Hollingshead Corporation, Camden, N. J., has announced the appointment of Thomas H. Risk, formerly research engineer for the Ethyl Corporation, as a new vice-president. Mr. Risk will serve as assistant to the president on matters relating to new product developments.

Mr. Risk, who will move to Camden from Detroit, Mich., joined the Ethyl in 1940 after previous automotive engineering service with Socony-Vacuum Oil Company and Pure Oil Company. He joined Ethyl Corporation first as acting manager and then manager of the refinery division. He transferred to Ethyl's engineering research laboratory in 1946.

Foote Appoints Williams

Foote Mineral Company, Philadelphia, has appointed Floyd J. Williams, a ceramic service engineer, to its sales department. He will be assistant to John Clark, manager of ceramic sales, with special responsibilities for field evaluation of research developments in the ceramic industry.

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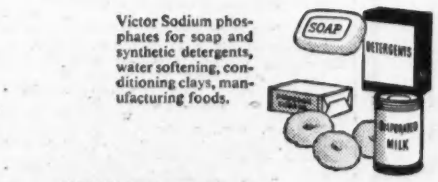

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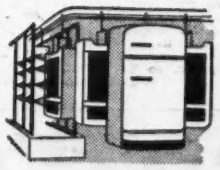

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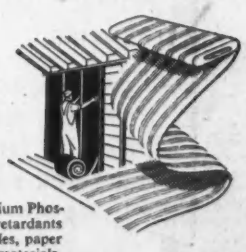

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Current Prices

—Continued from page 36

Zinc cyanide, kgs., over 1,000 lbs. works	lb.	.523	—
under 1,000 lbs., works	lb.	.543	—
Dust, bbls., c.l., works	lb.	.18½	—
l.c.l., works	lb.	.19½	—
Fluoride, bbls., works	lb.	.40	—
Hydrosulphite, dms., c.l., frt. alld	lb.	.21½	—
l.c.l.	lb.	.22	.37½
Iodide, NF, jars	lb.	4.92	—
Laurate, bbls	lb.	.45	.46
Metal, slabs, E. St. Louis	lb.	.15	—
Naphthenate, liquid, 8% Zn, frt. alld	lb.	.23½	—
10% Zn, dms., frt. alld	lb.	.28½	—
Oleate, fused, bbls	lb.	.36	—
Oxide, pigment, dom., acicular, bgs., c.l., dlvd	lb.	.176	—
l.c.l., dlvd	lb.	.186	—
American process, com'l, lead-free, bgs., c.l., dlvd	lb.	.15¼	—
l.c.l., dlvd	lb.	.16¼	—
leaded 35%, bgs., c.l., dlvd.	lb.	.15¾	—
l.c.l., dlvd	lb.	.16¾	—
50% ,bgs., c.l., dlvd.	lb.	.16	—
l.c.l., dlvd	lb.	.17	—
French process, com'l, green seal, bgs., c.l., dlvd	lb.	.17	—
l.c.l., dlvd.	lb.	.18	—
red seal, bgs., c.l., dlvd.	lb.	.16½	—
l.c.l., dlvd.	lb.	.17½	—
white, seal, bgs., c.l., dlvd	lb.	.17½	—
l.c.l., dlvd.	lb.	.18½	—
USP, ctns., c.l., dlvd	lb.	.18½	—
l.c.l., dlvd.	lb.	.19½	—
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c higher than bgs.			
Phenosulphonate, NF, gran., dms.	lb.	.39	—
powd., dms	lb.	.42	.49
Resinate precip., dms., frt. alld.	lb.	.26¾	—
Silicofluoride, bbls., works	lb.	.12	.13
Stearate, tech., USP, ctns., c.l.	lb.	.37	—
ton, lots	lb.	.38	—
less ton lots	lb.	.39	—
Sulphate cryst., 22% Zn, bgs., c.l., works, frt. alld	100 lbs.	7.30	—
l.c.l., same basis	100 lbs.	7.70	—
flake, 25½%, Zn, bgs., c.l., works	100 lbs.	6.55	—
l.c.l., works	100 lbs.	6.90	—
powdered, 36% Zn, bgs., c.l., frt. alld	100 lbs.	9.25	- 9.95
l.c.l., same basis	100 lbs.	10.00	-10.70
Zinc sulphate in bbls., 40c higher.			
USP, gran., dms	lb.	.26	—
Sulphide, pure, bgs., c.l., dlvd	lb.	.2530	—
fluorescent, fib., dms., less than 1,000 lbs., works	lb.	1.10	- 1.90
phosphorescent fib., dms., less than 1,000 lb. lots, works.	lb.	1.83	- 2.50
Undecylenate, dms	lb.	2.25	- 2.50
Yellow (see Yellow, zinc).			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	9.03	—
l.c.l., works	100 lbs.	9.43	—
Zinc-cadmium sulphide, fluorescent fib., dms., under 1,000 lbs., works	lb.	2.10	- 2.90
Zinc-calcium resinate, dms., c.l., works	lb.	.1180-	.1360
l.c.l., same basis	lb.	.1220-	.1400
Zinc-formaldehyde sulphoxylate, basic, dms., c.l.	lb.	.25½-	—
l.c.l.	lb.	.26	- .41½
normal, dms., l.c.l., works	lb.	.52	—
Zircon, (G), granular, bgs., c.l., works	lb.	.03½-	—
5 tons to c.l., works	lb.	.03⅝-	—
1 ton to 9,999 lbs., works	lb.	.03⅞-	—
500 lbs. to 1,999 lbs., works.	lb.	.04	—
less than 500 lbs., works	lb.	.06½-	—
milled, bgs., c.l., works	lb.	.04¼-	—
5 tons to c.l., works	lb.	.04⅜-	—
1 ton to 9,999 lbs., works	lb.	.04⅝-	—
500 lbs. to 1,999 lbs., works.	lb.	.05	—
less than 500 lbs., works	lb.	.07½-	—
Zircon (G) in barrels, ¼c. higher.			
Zirconium acetate 13% sol ZrO_2, c.l., 30,000 lbs., minimum works	lb.	.23	—
Carbonate basic, cake bbls., works	lb	No prices.	
Hydride, cns., works	lb.	7.50	-10.00
Nitrate, dms., ex whse	lb.	4.50	- 7.00
Oxide 98½-99% white grd., bbls. or bgs., works	lb.	1.50	—
lump electric-fused, bgs., c.l., works	lb.	.44	—
5 tons, works	lb.	.44½-	—
1 ton to 9,999 lbs., works	lb.	.45	—
500 lbs. to 1,999 lbs., works	lb.	.45½-	—
Zirconium oxide, lump, electric-fused, bgs., less than 500 lbs., works	lb.	.48	—
milled, electric-fused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	.59½-	—
1 ton to 9,999 lbs., works	lb.	.60	—
500 lbs. to 1,999 lbs., works	lb.	.60½-	—
less than 500 lbs., works	lb.	.63	—
Oxychloride, cryst., ctns., 5 tons, works	lb.	.32¼-	—

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Textile and Leather Chemicals

Trading in textile and leather chemicals last week continued slow, reflecting the usual summer dullness. Consumer demand was restricted to small fill-in quantities for actual needs. Prices were fairly steady and unchanged, with the exception of tapioca flour, which was higher on spot due to the high cost of replacements from Brazil. Available supplies for shipment from Brazil were reported scarce due to drouth conditions which cut production and increased needs for local food and commercial requirements.

Other sizing materials were quiet and unchanged. Potato starch was in limited supply at the mills and on the spot. Foreign potato starch was inactive and steady for shipment. Trading in corn dextrin and starch was light and spotty with all grades maintained at former levels. Sago flour was firm for shipment from primary markets.

Trading in tanning material replacements has slackened, though tanners showed a good inquiry for later requirements. Primary markets remained unchanged and steady.

Final estimates on global trade of raw wool in 1951 showed a movement of about 2,200,000,000 pounds, some 500,000,000 pounds less than in 1950, according to the Office of Agricultural Relations. This was the lowest of any year since World War II and reflected the depressed conditions in the world textile industries and in raw material markets during most of 1951. World consumption was about 16 prcent below 1950. Last year the United States imported about 555,000,000 pounds of raw wool, against 685,000,000 pounds in 1950. The 1946-50 average was 776,000,000 pounds and 1935-39 average, 224,000,000 pounds.

Rayon shipments in June totaled 103,300,000 pounds, compared with 92,200,000 pounds during May, according to the Textile Economics Bureau. Total shipments during the first six months of 1952 amounted to 526,400,000 pounds, or 20 percent below the record of 654,700,000 pounds in the first half of 1951.

Market Trends

Prices Advanced

Tapioca flour, 1½c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	July 20, 1951
105.98	105.97	.....	97.87

(For Current Prices see Page 9)

Chemicals

Acetic Anhydride—Consumers continued to restrict demand to actual needs. Deliveries against contracts were in moderate request. Quotations were without change.

Bichromates—Available stocks were liberal and requirements were readily satisfied. Market remained steady and all grades were quotably unchanged.

Sodium Hydrosulphite—Consumers limited demand to immediate requirements. Withdrawals against contracts also were slow. Quotations were without change.

Sulphonated Oils—Hand to mouth buying was noted for all varieties, chiefly for small lots. Prices were unchanged and more or less nominal.

Sizing Materials

Blood Albumin—Good demand was reported for prompt needs. Prices were unchanged and well held at 70c. to 80c. per pound, depending upon quantity and quality. Stocks were adequate for prompt shipment. Soluble dried blood demand was spotty. Supplies were ample. Quotations were unchanged at 17c. to 18c. per pound, as to quantity.

Corn Dextrin—Trading was reported light, with users taking moderate lots for immediate needs. All grades were maintained at former levels. Gum was quoted at $9.10 per 100 pounds, paper bags, carlots, New York; canary, $8.84; dark, $8.94, and white, $8.68, same basis. Less carlots, 10c. per 100 pounds more.

Corn Starch—Business was confined to small lots for actual needs. Market, however, remained steady at prevailing quotations. Pearl was quoted $7.29 per 100 pounds, paper bags, carlots, New York, and powdered, $7.41, same basis. Users absorbed moderate quantities against contracts. Smaller lots were 15c. per 100 pounds more. Visible corn supply declined further, dropping 2,650,000 bushels to 25,766,000 bushels for the week ended July 11, compared with 36,378,000 bushels for the corresponding period last year, according to the Chicago Board of Trade.

Egg Albumen—Strength of frozen whites continued to influence albumen. Market was steady at recent advances. Consumer demand continued quite active. Flake was maintained at $2.40 to $2.50 per pound, depending upon seller. Powdered ranged from $2.44 to $2.54 per pound. Demand for technical was fair and quotations held at $1 to $1.03 per pound, as to quantity. Egg production in June was indicated at 5,032,000,000, against 5,983,000,000 in May and 5,060,000,000 in June last year, according to the Department of Agriculture. Output for January-June inclusive totaled 34,772,000,000, compared with 33,380,000,000 during the same period of 1951. The 10-year 1941-50 average is 32,390,000,000.

Egg Yolk—While trading was spotty, this market remained unchanged and steady. Prices were well held at $1.04 to $1.06 per pound, according to quantity.

Potato Starch—Buying interest continued slow. Market, however, remained steady. Domestic starch was in limited supply and closely held at former levels. Offers from mills in Maine were scarce and quoted nominally at 10½c. per pound, f.o.b. mills. Stocks on spot were unchanged at 10¾c. to 12c. per pound, exwarehouse, depending upon quantity. Shipments from Holland were inactive and available at 9½c. per pound, carlots, exdock, duty paid.

Sago Flour—Inquiry for spot and forward delivery lacked snap. Prices were unchanged and steady, reflecting the firmness of primary markets. Shipments were quoted at 6¾c. per pound, carlots, exdock. On spot raw flour was quoted at 7¼c. to 7¾c. per pound and refined, at 8¾c. to 9c. per pound, exwarehouse, as to quantity.

Tapioca Flour—Offers for shipment from Brazil were scarce as the bulk of the small production due to drouth was taken for local consumption by the food trade. Shipments were merely nominal at 10½c. to 11c. per pound, carlots exdock. Stocks on the spot were low and dwindling and quotations were merely nominal at 10c. to 12c. per pound, exwarehouse, depending upon seller, buyer and quantity. Trading in replacements was practically at a standstill due to prevailing high prices in Brazil.

Tanning Materials

Chestnut Extract—Supply condition was tighter and market was firm at prevailing quotations. Recent improvement in demand reduced available stocks and producers have taken steps to increase the output during the third quarter.

Cutch—Offers for shipment continued light. Market remained firm at 8¼c. per pound, exdock, plus duty.

Divi Divi—Buying interest was spotty. Prices remained steady at $70 to $72 per ton, exdock for prompt shipment.

Mangrove Bark—Inquiry for shipment from Africa has improved of late and recent trading took place at $78 per ton, exdock. Offers were maintained at this figure. South American bark offerings continued scarce and were well held at $60 per ton, exdock.

Myrobalans—Trading has slackened, but primary market was reported steady. Shipments of ordinary were quoted at $47 per ton, exdock; assorted, $48 to $49 and crushed, $65 to $66 per ton, same basis.

Quebracho Extract—Firmness featured this market. Inquiry for replacements has improved for prompt and later requirements. Prices were unchanged and well held. Solid ordinary was quoted at 11.31/64c. per pound, carlots, ex dock, and clarified, 12 3/16c. same basis.

Valonia—Business was light, though inquiry was fairly active. Prices were without change and steady. Cups were held at $65 per ton, ex dock and beards, $88 to $89 per ton, same basis. Extract was quoted at 9¼c. to 9½c. per pound, plus duty, as to seller.

Wattle—This market was steady, despite reduced buying interest. Prices were maintained at former levels. Fair average bark was quoted at $103 per ton, and merchantable, $99 to $100 per ton, exdock. South African extract was held at 11⅛c. and East African, 11c. per pound, exdock, plus duty.

For Late Market Developments, See Page 4

Mutual Bichromates

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Agricultural Chemicals

Agricultural chemical index advanced from 114.18 to 114.20 last week. Potassium muriate was advanced at Trona by an OPS ruling and the new selling price was made effective July 15. Ammonium sulphate remained definitely tight with coke-oven material shipments confined to utility companies or steel mills not on strike. The movement of superphosphate was confined chiefly to contracts and the same condition existed in phosphate rock. The supply position of Chilean nitrate showed further improvement and the market has been restored to a practically normal condition.

In addition to mixed fertilizers, agriculture used in 1950-1951 a quantity of 7,010,890 tons of materials for direct application. This is 965,186 tons more than was used in the preceding year. The classes of materials consumed in order of tonnage include 3,490,350 tons of phosphate rock, 2,304,500 tons of nitrogen materials, 645,441 tons of minor and secondary element materials, 318,879 tons of organics and 251,720 tons of potash materials.

Packing-house products experienced a slow demand last week. Dried blood and tankage were priced lower and there were no other changes to note. Steamed bone meal commanded moderate attention but the raw variety was neglected.

Market Trends

Prices Advanced

Potassium muriate, Trona, 2½c. per unit of K_2O.

Prices Reduced

Dried blood, 25c. per unit of ammonia. Tankage, 25c. per unit of ammonia.

Comparative Price Indexes

(100=1940 average)

Last week	Prev. week	Last month	July 20, 1951
114.20	114.18	.....	113.19

(For Current Prices see Page 9)

Fertilizer Materials

Ammonium Nitrate—Amount consumed directly during the season of 1950-1951 was placed at 638,176 tons by the government. Direct consumption in the preceding season was 577,562 tons.

Ammonium Phosphate—According to government agencies, the use of ammonium phosphate (16-20) increased in states west of the Mississippi, where this material is more generally consumed. The principal consumption of phosphate rock was in Illinois and Missouri. These two states consumed 74.2 percent of the total in 1950-51 and 70.5 percent in 1949-50. Most of the increase in use of basic slag was in Alabama. Distribution of superphosphate for direct application decreased 348,653 tons (16.4 percent) compared with 1949-50.

Ammonium Sulphate—Market supply position remained definitely tight with coke-oven stocks depending on shipments from utility companies and steel mills not on strike. It was stated it will take from two to three weeks after settlement is reached before normal shipments are resumed.

Bone Meal—Moderate attention in the steamed grade was noted for feed use but the raw-variety was neglected. There was no change in prices.

Castor Pomace—Producers' offerings were limited and were taken readily for fertilizer use. The market continued steady at $37.25 per ton in bags, carlots, works.

Cottonseed Hull Ash—Amount used for direct application during the past fertilizer year was placed at 1,477 tons by the government. New England states took practically all.

Cyanamide—Direct application during the fertilizer year ending June 30 amounted to 64,222 tons, according to a government report.

Dried Blood—Priced lower with scarcely any demand. There were sellers at New York and Chicago at $6 per unit of ammonia.

Argentina's exports of dried blood amounted to 1,040 metric tons in April 1952 and went almost entirely to France and the United Kingdom. Exports of tankage totaled 4,010 tons; the Netherlands and Belgium were the principal purchasers.

Fish Meal—Menhaden meal remained quiet at $135 per ton nominal at Baltimore. The amount of fish meal used for direct application to the ground was placed at 2,011 tons last season by the government.

Hoof Meal—Only 110 tons was used for direct application last year, according to a government report. Last sales were at $6.50 per ton—no activity last week.

Nitrogenous Process Tankage—Supply situation remainded exceedingly tight. The amount used for direct application to the soil during the past fertilizer year was 8,051 tons, according to a government report. The south Atlantic states were the largest users.

Phosphate Rock—Contract shipments are holding steady but no unusual activity in other directions either for home or export last week.

Potassium Muriate—A major producer at Trona, California, has been granted an increase in price. The market is now 53c per unit of K_2O f.o.b. the works. The new price became effective July 15 and will apply to the unshipped tonnage under contract. Rights are reserved to adjust the price to meet competition of other producrs.

Sodium Nitrate—Market conditions are about normal so far as imported nitrate is concerned. Immediate shipments have remained available in most areas.

Among measures recommended by the Chilean Ministry of Agriculture to increase food production are improved transportation of fertilizers and stabilization of prices for them, as well as rapid implementation of a law which subsidizes sales of these products to farmers to the extent of 50 percent of the cost.

Superphosphate—Market quiet, aside from contract shipments which are fully normal for this period of the year. Prices have remained firm and unchanged.

Tankage—Sellers in New York were lower at $6 per unit of ammonia. Chicago was unchanged at $6.75. No unusual activity in either area.

Los Angeles Market

Los Angeles.—The market remained at a virtual standstill the past week with continuance of the summer off-season. Unexpected trading was reported in new crop Monterey sardine meal with between 100 and 125 cars of meal going at full ceiling price. With production expected to be very low this season, the trading was estimated to be over 60 percent of the total material available. Two cars of tuna meal also moved the past week, leaving approximately six more cars of meal to be produced locally. Sellers of inorganic materials, viewing the current and favorable rail shipping conditions, are encouraging immediate purchases to circumvent the fall rush and delays involved in bulk deliveries. Blood meal and tankage appear firmer with quotations of $5.25 and $5.15 per unit of ammonia respectively.

Ruling prices were:—Ammonium nitrate—$83.50 per ton, domestic, f.o.b. Los Angeles, $86.84 per ton for Canadian material, f.o.b. Los Angeles.

Ammonium phosphate — $76.14 per ton, bagged, 16/20 grade, f.o.b. Los Angeles, $100.64 per ton in bags, 11/48 grade, f.o.b. Los Angeles. Both Canadian material.

Ammonium sulphate—$54.87 per ton in bags, f.o.b. Los Angeles, $3 less in bulk. Candian material same.

Blood meal—$5.25 per unit of ammonia at source. Bone meal—$83-$85 per ton, imported, 1/65 meal, c.i.f., Los Angeles Harbor.

Calcium nitrate—$51 per ton, 15½ percent nitrogen, c.i.f., Los Angeles Harbor.

Pesticides

Prolonged drought in the cotton-south has checked infestation and from present appearances, the use of insecticides in the major consuming area this season is unfavorable. Producers were geared to meet a heavy distribution and so were the dealers and the carryover will likely be substantial. An exception to the general list of synthetics is lindane which is in relatively light supply with shipments behind schedule in some instances. There is no shortage of BHC or DDT although the surplus of both may be reduced through export channels. The season for 2, 4-D is about over with stocks adequate to meet any additional requirements. The Fall inquiry has not developed for 2, 4, 5-T but there is no shortage of stocks at present.

2, 4, 5-T—April production was placed 267,295 pounds by the Tariff Commission. March output was 247,779 pounds.

A United States company, through its Mexican subsidiary, has completed construction of a 6-ton per hour insecticide-mixing plant in Ciudad Obragon. It is the first factory of its kind in the area and will make it possible to supply cotton growers with the types of chemical sprays they need at various stages of the crop. Complaints have sometimes been received that materials were slow in arriving and that formulas were not always adapted to local needs.

For Late Market Developments, See Page 4

Fertilizer Use in 1950-51 Showed 14 Percent Gain

More fertilizer was used on American farms, gardens, and lawns in 1950-51 than in any previous year on record, according to a survey recently completed by the Department of Agriculture. Consumption in 1950-51 of 20,988,740 tons, exceeded that of the preceding year by 14 percent and was almost three times as great as annual consumption before World War II. Average for 1935-39 was about 7,500,000 tons.

The survey shows the south Atlantic states, traditionally the largest consumers of fertilizer, used more than 6,000,000 tons in 1950-51, with North Carolina accounting for nearly 2,000,000 tons. Five other states —Georgia, Florida, Illinois, Alabama, and California—used more than 1,000,000 tons each. Compared with 1949-50, decreases in fertilizer consumption of more than 5 percent were noted in Connecticut, Idaho, Minnesota and New Hampshire, and of more than 20 percent in Maine and North Dakota.

Mixed fertilizers comprised two-thirds of the total in 1950-51. About 90 percent of these were N-P-K mixtures. Of the fifteen most popular grades, the 3-12-12 had the widest distribution (13.5 percent of all mixed fertilizers). The trend toward higher analysis fertilizers is reflected in an increase of 16 percent in the total tonnage of nutrients over 1949-50. Average nutrient content of commercial mixtures was 24.19 percent as compared with 23.24 percent in 1949-50.

USDA Urges Only Test Use of Soil Conditioners

Farmers, homeowners, and others interested in the new chemical soil conditioners now being widely advertised, were advised last week by the Department of Agriculture to use these materials at present only on an experimental basis. Some of these materials, say soil scientists of the Bureau of Plant Industry, Soils, and Agricultural Engineering, are known to improve the structure of heavy clay soils. Experimentation with them is, however, in an early stage.

In urging this course, USDA pointed out that "work to date indicates that these conditioners are most effective on soils with high clay and salt content and are not effective on soils with very high sand content." Soils which already have good structure naturally will not show great improvement, the department added. "It is therefore suggested," USDA concluded, "that only small quantities be purchased until the grower is convinced by experience that better soil conditions gained from their use are worth the cost involved."

Cyanamid Soil Conditioner Now Available to Farmers

Recent production increases of "Aerotil," American Cyanamid Company's new soil conditioner, have made it possible for the firm to market it in limited quantities to farmers throughout the nation, according to F. S. Washburn, director of Cyanamid's agricultural chemicals division. Previously, the company sold the conditioner only to other manufacturers, who marketed it under their own trade names to home gardeners.

The company is entering the agricultural market with "Aerotil" through numerous well known firms who have long distributed other products of Cyanamid's agricultural chemicals division. The material is produced in soluble, highly concentrated flakes for sprinkling, and in a powdered compound for "raking in" applications. Both forms will be marketed to farmers in twenty and forty-pound containers.

Lahey Leaves Cyanamid

R. W. Lahey, manager of the packaging and materials handling department of American Cyanamid Company, New York, has retired after serving with the company since 1929.

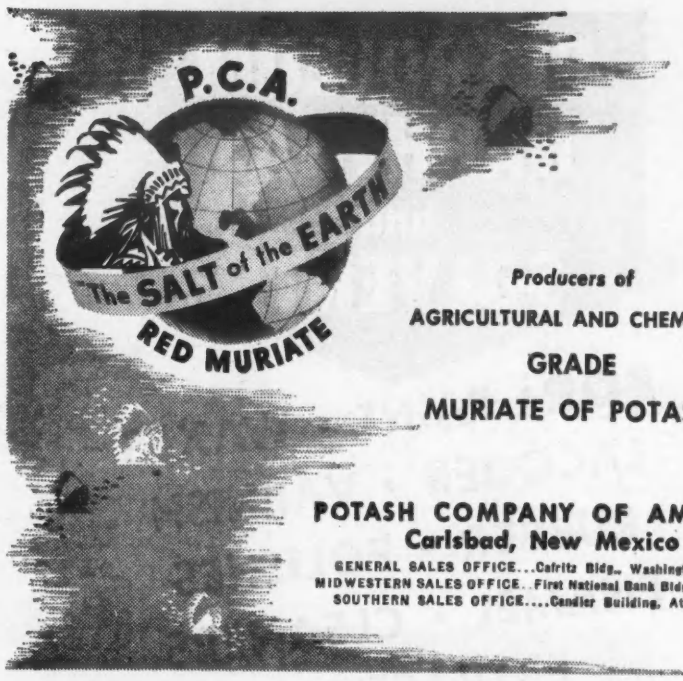
Phila. Chem. Club Golfs Wednesday

The Philadelphia Chemical Club will hold a golf tournament Wednesday at the Whitemarch Valley Country Club. Following the tournament there will be a dinner, scheduled for 7 p. m.

Trade Briefs

Innis, Speiden & Co., New York, recently held a three-day sales symposium.

Richard A. Berger has joined Kraft Bag Corporation after eleven years with St. Regis Paper Company.



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Petroleum Derivatives

Except for an overabundance of heavy fuel oils, which were being offered at weak prices in some areas, the petroleum market was quite stable throughout the past week. Producers of toluol and xylol reported having sufficient material to cover the current requirements, although no surplus appeared to be present. Demand for the aliphatics was steady and and all orders were readily met. Production was maintained at a good level and pricing schedules remained unchanged. A good deal of interest was shown in the new odorless mineral spirits, which was being offered in some quarters, while other producers were planning to market the item in the near future. Both propane and butane were in ample supply. Stocks were being built up at this time, when the rate of consumption was at the lowest level of the year. An increase in demand was expected by the end of the summer. The striking steel industry has cut down the demand for these items rather noticeably.

Demand for petrolatums and white mineral oils was reported to be steady and producers could cover the requirements of users without difficulty. Production was unhampered and prices remained firm. The wax market continued to be weak, there being large stocks on hand and only a very mild interest shown by consumers. This market was expected to show a great deal more activity once the summer vacation period ends.

Solvents and Diluents

Producers of petroleum toluol reported that, while there was no oversupply of the material, there continued to be sufficient stocks to cover the normal requirements of consumers without difficulty. The strike of the steel industry has still not shown too much effect upon the supply picture, although it is possible that a shortage might develop should that source be cut off much longer. Xylol was reported in a similar position. There was no problem involved in meeting the current requirements, but observers reported that there was no surplus material around. Prices of both these aromatics remained firm and unchanged. The intermediate aromatic chemicals were without special feature. Production was steady, providing enough material to cover the demand and prices held at unchanged levels. The higher boilers were strong and steady. Consumption was reported at a good rate and stocks were adequate at stable prices.

Cleaners' Naphtha—No change has been reported in the steady situation of this market. There were adequate stocks on hand and a normal rate of consumption. Production was accomplished without difficulty and prices held unchanged.

Lacquer Diluent—The demand for this solvent continued to be active, making for a healthy volume of business. Stocks were maintained at a good level by a steady rate of production. No change occurred in the pricing schedule.

Mineral Spirits—The new odorless type of mineral spirits was rapidly gaining interest among consumers as its production increased. It has been offered at a price of 18.2c. per gallon in tankcars at the California works by one producer. The same material was priced at 30.538c. per gallon, delivered east of the Rockies. Other mineral spirits prices remained unchanged with supplies sufficient to meet the current demand.

Rubber Solvent—A quiet market was reported last week. Production was steady and stocks were comfortable, providing ample supplies to consumers who showed a normal interest in the material. Quotations were firm and unchanged.

Stoddard Solvent—With a good balance existing between the demand of consumers and the available supply, this market was untroubled throughout the past week. There was no difficulty involved in production and basic materials were readily obtainable. The market price schedule remained steady.

V. M. & P. Naphtha—Stocks remained large enough to cover all requirements of users, according to the industry, and a healthy volume of business was transacted. The output was steady and price quotations remained unchanged.

Market Trends

Prices Advanced
None

Prices Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month
107.19	107.19	.....

(For Current Prices see Page 9)

Lighter Fractions

LPG's—Sales of the liquefied petroleum gases have been noticeably reduced because of the prolonged strike in the steel industry. In addition, the summer vacations of many plants and the normal decrease of demand during the warm weather have lowered the consumption. Thus, the stocks of both butane and propane have been growing against the expected pick up of demand which should come at the end of the summer season. Prices have continued to be quite firm despite the easy supply situation.

Waxes

Microcrystalline—The summer lull in business activities continued to be apparent in this market. The volume of trading was quite small with many of the consuming firms shut down for vacation. In addition, the steel strike has caused a drop in consumption of waxes in some industries. Supplies remained ample and producers were anxious to sell the material at unchanged prices.

Paraffin—No new developments were reported in this market during the past week. There remained an abundance of material available, but demand was quite light. It was expected that the situation would continue to be dull until the end of the summer. For the present, prices remained unchanged, although there was some weakness in evidence.

Miscellaneous

Crude Oil—It was estimated by the American Petroleum Institute that the daily average production of crude oil during the week ended July 5 was 6,010,550 barrels. Imports during that week averaged 574,700 barrels per day. It was reported that the industry as a whole ran to stills approximately 6,753,000 barrels of crude per day, producing 22,557,000 barrels of gasoline, 2,440,000 barrels of kerosene, 9,629,000 barrels of distillate fuel oil and 8,674,000 barrels of residual fuel oil during the week.

Production of crude oil in Saudi Arabia during June amounted to 26,970,941 barrels, or an average of 899,031 barrels per day. Production in that country for the first half of 1952 totaled 156,264,022 barrels, an average of 858,593 barrels daily.

The Texas Railroad Commission last week ordered the sharpest increase in allowable oil production since September, 1950. The August 1 allowable output was set at 2,294,306 barrels daily, an increase of 187,392 barrels over the July figure. The producing schedule calls for 20 days, a gain of 2 days. It was reported that the feeling in the industry was that the allowable would still be short, even with this boost in output.

Fuel Oil—While No. 2 fuel oil was found to have been strengthened in many places, the heavy fuel oils were reported to be rather soft. No. 6 fuel was said to be available at reduced prices with distress lots offered in some quarters. The hot weather and the steel strike were blamed for the weakness of the market, cutting down consumption to a marked degree.

Petrolatum—Producers reported that there was no change in the market throughout the past week. A good deal of business was said to have been done.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended July 5 totaled 285,519,000 barrels, according to data reported to the Bureau of Mines, United States Department of the Interior. Compared with the total of 286,600,000 barrels for the preceding week, this represents a decrease of 1,081,000 barrels comprising a decrease of 1,688,000 barrels in stocks of domestic crude and an increase of 607,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

Petroleum's Most Successful Year Was '51, Report Shows

The year 1951 was the most successful in the history of the petroleum industry in the United States, as new records were established in sales, dividends, crude production and refining, wages and tax payments, according to a survey by the Chase National Bank, New York. The study, "Financial Analysis of Thirty Oil Companies for 1951," prepared by Frederick G. Coqueron of the petroleum department of Chase, covers in detail the financial and operating activity of a group of companies that comprise about two-thirds of the industry in the United States.

The combined net earnings of the thirty companies increased 20.2 percent over the previous year, from $1,739,000,000 in 1950 to $2,090,000,000 in 1951. Total income amounted to $18,307,000,000, an increase of 17.5 percent over the previous year, while operating costs and other expenses amounted to $14,905,000,000, an increase of 14.6 percent over 1950. One of the most significant developments in the world oil picture during 1951, the study points out, was the ability of the petroleum industry to replace the production lost by the shutdown of the Iranian oil fields, which had contributed an average of 661,000 barrels per day or 6.2 percent of the world supply during the first six months of 1951.

Atlantic Names Bowman To South African Post

F. C. Bowman has been appointed director of marketing and assistant to the manager of the Atlantic Refining Company of Africa, Ltd. He will be stationed at the Capetown headquarters of Atlantic's South African subsidiary.

Mr. Bowman has been associated with the company for twenty-one years and has been serving as manager of Atlantic's Philadelphia and suburban marketing district. He will be succeeded in Philadelphia by A. R. Sanborn, who has been manager of the Newark, N. J., marketing district of the company.

Sinclair Labs. Ups Fairlie

M. R. Fairlie has been promoted to director of lubricants research for Sinclair Research Laboratories, Inc. Mr. Fairlie formerly was assistant director. He started his career with Sinclair at its East Chicago refinery as a chemist in the experimental laboratory twenty-five years ago.

Portland Gas Now Making Aromatics from Petroleum

Portland Gas & Coke Company, Portland, Ore., has announced the development of a large-scale co-products program to make aromatic light oils, tars and high-purity carbon from petroleum. According to the company, its co-products development program may be the forerunner of a similar operations by other public utilities throughout the nation. The program can be tied, it was explained, to the change-over to natural gas in many areas which may encourage other public utilities to do peak shaving with oil-gas, thus leading to the production of more aromatics from petroleum.

NPC Makes Replacement

Mason B. Jones, newly-elected president of the Petroleum Equipment Suppliers' Association, has been named to the National Petroleum Council. Mr. Jones on the council replaces F. M. Mayer, whom he succeeded as president of PESA.

New England Petroleum Moves

New England Petroleum Corporation has moved its office to 161 East 42nd street, New York. The new telephone number is MUrray Hill 7-3870.

Trade Briefs

William P. Stuart has retired from the Tide Water Associated Oil Company after forty-four years at its Bayonne, N. J., refinery.

L. H. Nuland has been named shareholders' representative in Australia and New Zealand for California Texas Oil Company, Ltd.

Aro Equipment Corporation, Bryan, Ohio, has completed a wildcat oil well in the Walpole Field area of Hamilton County, Ill.

Roy M. Owens has been named managing director of a new petroleum refinery subsidiary which Standard-Vacuum Oil Company is forming in Australia.

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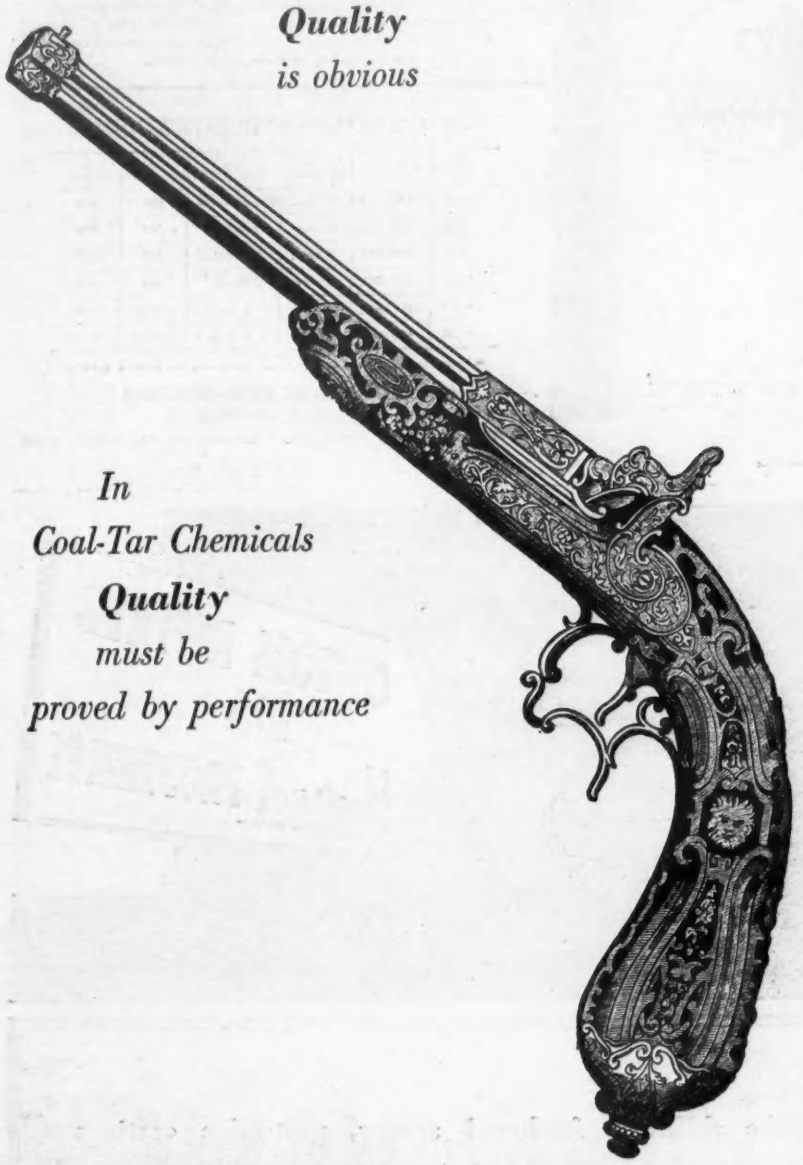

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Coal Chemicals

The news in the coal chemicals market last week revolved around the steel strike of seven consecutive weeks, and the uncertainty of how much longer it would go on. The effect on the coal chemicals industry of the strike was certainly adverse, but as yet not too severely felt. The most critical problem was the fact that no tar was coming out of the struck mills, and on chemical products benzol and tar bases were beginning to feel a very definite pinch. Tar acids, however, were plentiful yet, and the heavy inventories of naphthalene and phthalic anhydride were such as to prevent any distress in those quarters.

Another factor noted as a result of the steel strike was that on some items, instead of there being greater pressure put on tar distillers for delivery, there were mounting cancellations of orders. This was because the curtailment of available steel to makers of fabricated metal products, such as automobiles and appliances, cut back their manufacturing operations to a point where the demand for materials used in making the industrial finishes applied to these steel products was being sharply curtailed. This took some of the sting out of market shortages that might otherwise have developed, but which have not as yet become a serious problem. Among the materials so affected are naphthalene and its derivative, phthalic anhydride; monochlorobenzene and its derivatives such as synthetic phenol and styrene used in resins, and aromatic solvents such as toluol and xylol.

Another situation which eases the pressure on monochlorobenzene is the lack of rain over the last few months, which has cut down tremendously on the amount of insecticidal spraying that has had to be done. The result has been that some of the major producers of DDT and related materials made from monochlorobenzene, have closed down manufacturing operations for lack of insecticidal demand.

Those producers who had not immediately gone along with the price advances reported the previous week on some rubber chemicals, in accordance with the newly established price ceilings, did so last week.

Once the steel strike is settled, it was expected that it would take the industry at least three weeks to get going anywhere near capacity again, and when they do get going, it will be at hardly more than 85 percent of capacity, it was said. This was so because of the fact that the tops of an estimated twenty-five percent of the furnaces have caved in from being shut down, necessitating a long and expensive repair operation to bring them into production.

The American Iron and Steel Institute reported the operating rate for the week ended July 19 as 15.1 percent of theoretical capacity, as against the revised rate of 14.2 percent for the previous week. This was equivalent to the production of 314,000 tons of steel this week compared with 295,000 tons last week and 252,000 tons one month ago.

This brought to 14,500,000 tons the estimated loss of steel production as a result of controversy with the steelworkers, and represented a real economic loss to the companies, the workers, and the nation.

Market Trends

Prices Advanced

Mercaptobenzothiazole, 1c. per lb.
Mercaptobenzothiazyl disulphide, 1½c. per lb.

Prices Reduced

Naphthalene, crude, imp., ¼c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	July 20, 1951
113.72	113.72	....	111.97

(For Current Prices see Page 9)

Basic Products

Benzol—By reason of the steel strike, the supply position of benzol was beginning to get tight, but from a nationwide viewpoint it could not yet be described as critical. Some smaller consumers were said to be quite hard hit because their inventories had virtually been exhausted. Most of the larger manufacturing consumers, however, had such sizable inventories on hand that as yet they have not been drastically pinched. That the pinch was fast coming and going to get progressively tighter was a certainty, unless some quick settlement would soon be made.

Consumption of benzol and its chemical derivatives has been off from former levels all during the first half of the year, and most producers expressed the feeling that if there had not been a steel strike, that benzol would by now have been on the easy side. This was about the only light oil, however, which was in short supply as a direct result of the steel strike, the demand for toluol and xylol being off sufficiently, that with the exception of those few who must have nitration grade material, the petroleum industry could well take care of current demands, along with the dribble of coaltar source material trickling into the market.

Creosote—This market was a characteristically steady one, with the overall supply position being considered adequate from domestic production augmented by substantial imports. Price structures long prevailing were expected to be maintained.

Cresols—Tar acids were still abundant, the overall demand having been off for the first half of this year. Considerable inventories were built up by both producers and consumers, so that cresols were not as yet adversely affected by the steel strike now in its seventh consecutive week. Moreover, the effect of the steel strike on other industries has been such that the shortage of steel has slowed them down. Consequently, there are cancellations coming through from consumers of resins made from tar acids so that the demand for cresols has been diminished.

Cresylic Acid—Domestic production was in still abundant supply, and while not too adversely affected, was nevertheless feeling the effects of the low price structure at which ADF imported acid was currently moving. The competition from this direction, however, was not felt to be enough to bring about a price reduction in domestic production for several reasons; one being the high cost of production, another being the fact that in many end-uses, such as resin manufacture, the domestic material was much to be preferred over ADF imported material and still another reason was the threat to the eventual supply situation created by the long continued steel strike.

Cresylic acid was the first of the tar acids to ease in supply at the beginning of the year, and the demand picture had really been off well before that. Consequently, early this year all back orders were met and inventories began to accumulate Most consumers were felt to be loaded with acid, and despite the steel strike, there were an abnormal number of cancelled orders reported in some quarters.

Naphthalene—Like most of the coal chemicals, naphthalene had not as yet met with any supply difficulties resulting from the steel strike, except perhaps for those who have been buying direct from steel producers whose plants have been shut down for seven consecutive weeks, making it necessary to look elsewhere for material.

Overall, the inventory position of naphthalene consumers has been ample to carry them along with the reduced volume of business which has characterized recent weeks. Domestic production by tar distillers has been fairly well maintained, and the imported market is one of abundant availability as evidenced by the current weak price structure which prevails on imported material, off another ¼c. last week. Sharp traders have been disappointed at the failure of the crude imported naphthalene market to revive, hoping to make capital out of the steel strike.

Coal Chemicals

Total estimate of chemical recovery cokeoven operations in the week ended July 19, indicate the following output of chemicals from that source:—

Ammonia liquir, NH_3	lbs.	144,984
Ammonium sulphate	lbs.	5,216,923
Benzol	gals.	517,502
Coaltar	gals.	2,325,616
Creosote oil	gals.	96,376
Naphthalene, crude	lbs.	370,841
Pyridin, refined	lbs.	4,400
Toluol	gals.	101,405
Xylol	gals.	27,236

For Late Market Developments, See Page 4

Koppers Nonyl Phenol

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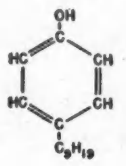

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The unhindered phenolic hydroxyl group undergoes such reactions as etherification, esterification, vinylation, ethylene oxide condensation, and formation of nonyl phenoxyacetic acid.

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Whether or not such opportunity will develop at a later date was a matter for conjecture, but with the current greatly reduced demand, coupled with the domestic production output, and heavy consumer inventories, it appeared that naphthalene consumers would be able to ride out the storm.

Pyridin—The greatest pinch which the steel strike has so far exerted on coal chemicals, aside from no tar coming out of the struck mills, is in the field of tar bases. This is because, while the tar acids softened up very markedly and inventories were built up all along the line, the situation was just the reverse on tar bases. Tar bases moved against a backlog of orders as fast as they could be produced, and no one had what could be considered even a safe inventory. Consequently, any curtailment in output was felt, and the longer the output is reduced, the tighter will become the pinch.

Among the tar bases most adversely affected was 2 degree pyridin, but in the case of pyridin, the shortage was so intense in normal operating times, that an additional shortage now was a little less hard to take than with some of the other bases. What the strike is doing is to push back almost out of sight any possibility of reaching a balanced market even with the help of 2-methyl-5-ethyl pyridin in certain end uses.

Toluol—This light oil was not too adversely affected by the strike situation in the steel industry, aside from a few consumer level, because the petroleum ingrade material. At this season of the year, demand is normally off from previous levels, and this year particularly the demand has been below that a year ago. Consequently, the loss of production has not been felt seriously at the consumer leved, because the petroleum industry has been able to take care of the demand which the current coaltar production has been unable to meet.

The actual requirements for toluol in many consuming industrial quarters has dropped significantly as a result of the steel strike, especially where toluol is used as a solvent in industrial finishes used on materials fabricated from steel. The cut off in steel production has had the effect of stopping, or slowing down steel fabrication to a walk, thus reducing the demand for toluol thinned industrial finishes. Recovery was expected to be slow.

Xylol—Demand was definitely off, being lower now than at any time during the year, supplies from an overall point of view were adequate, and no worsening of the present situation could be seen in the immediate future. Consumers dependent upon coaltar source material, were able to get their requirements, if not from tar distillers, then from petroleum refiners. Aside from a strictly local spot here and there, no one was in any distress for xylol.

Intermediates

Acid, Isonicotinic—This raw material used in the manufacture of the new TB drug, isoniazid, was firmly priced in 100-pound fiber drums at $10 per pound f.o.b. producing plant. Demand was still strong, but the feeling was generally held that isoniazid consumption would not immediately supplant present dihydrostreptomycin-PAS treatments, and that the new drug would show in the future a gradual increasing growth.

Anilin—Supplies were adequate, and under current price structures all manufacturers were moving material at a fair rate of production. Not much improvement was noted in demand, but there was a perceptible increase over the previous month, and this was felt to be real and in anticipation of better demand, rather than any ordering because of the current steel strike. Inventories had been deleted somewhat, and greater replacement buying was expected.

Di-tertiary-amylphenol—This 2,4, amyl substituted phenolic intermediate was priced in the current market at 28¼ cents per pound in tankcars, 30½ cents in drum carlots, and 33¼ cents in less than carlot drum quantities. These prices were on an f.o.b. works basis. Di-secondary-amylphenol carried the same price schedule.

Mercaptobenzothiazole—By last week all producers of this rubber accelerator had advanced prices in line with the new ceiling price structure. This brought ton lots to 35 cents per pound and less than ton lot quantities to 37 cents. As previously reported, some producers went along with the new ceiling, almost immediately, while certain others did not do so until last week.

Mercapotbenzothiazyl Disulphide—Following other producers who immediately went along with the new higher price ceiling on rubber accelerators as previously reported, other producers adopted the new ceiling price last week. This

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brought the price of ton lots to 43½ cents per pound and less than carlot quantities to 45½ cents.

Meta-aminophenol—Beginning in this issue, this intermediate will be listed in the prices current section of OPD. Producer quotations of meta-aminophenol were $2.05 per pound in ton lots, and $2.50 per pound in less than ton lots.

It was said that the material was available from stocks. Demand has not been up to former levels. However, a slight pickup has been noticed in June. This isomer saw a recent decrease in activity with the flurry of interest in isonicotinic acid hycrazide earlier in the year. Such behavior was explained by a producer as the result of intense early interest in the latest TB drug. As a result there was a slackening call for PAS while the trade waited to see how isoniazid would go, and finally, an increase as the situation clarified. It was felt that isoniazid was not going to generally replace para-aminosalicylic acid or sodium PAS used in conjunction with streptomycin-dihydrostreptomycin. Both TB treatments were expected to have wide application.

Monochlorobenzene—The steel strike, while curtailing sharply the amount of available benzene, had not very seriously affected the monochlorobenzene market. This was so because the demand for this very widely used chemical intermediate was off in various consuming directions.

The manufacture of insecticides, such as DDT, takes quite a substantial amount of monochlorobenzene. With the dry weather of recent weeks, insects have been at an abnormally low nuisance value to crop growers, requiring much less insecticidal spraying than in a normal season with adequate rains. In view of the low demand for insecticides, some of the major producers of DDT and related materials have closed down their insecticidal manufacturing operations.

Another factor adversely affecting the demand for monochlorobenzene, in addition to the general slower pace of business which has prevailed during the first half of this year, has been the effect of the steel strike on business generally and metal fabrication products in particular. With a sharp cutback in metal product output because of the lack of steel, has come a corresponding cut back in the demand for many of the chemical products in which monochlorobenzene is used as an intermediate—phenolic resins, for example, are off, cutting down the demand for phenol and its alkyl modifications. Dyestuffs have long been in a slump.

Octylphenol—The material generally marketed under the trade designation of octyl phenol is 1,1,3,3 tetramethylbutylphenol. The present price structure on this item is on an f.o.b. works basis, in which tankcars were quoted at 25¾ cents per pound. Drum carlots on the same basis were listed at 26¾ cents, and less than carlot drum quantities at 27¼ cents. Demand was said to be good against an adequate supply position.

Ortho-tertiary-amylphenol—On an f.o.b. works basis, this intermediate was currently priced at 41¾ cents per pound in tankcars, 43¾ cents in drum carlots, and 46¾ cents in less than carlot drum quantities.

Para-tertiary-amylphenol—In tankcar quantities on an f.o.b. works basis, the price structure on this item stood at 25 cents per pound. On the same basis, carlots packaged in cartons was listed at 26 cents, and in less than carlot quantities the carton price was 27 cents per pound.

Phthalic Anhydride—The steel strike, instead of threatening the industry with a shortage of phthalic, was for all practical purposes having the reverse effect. So many metal fabrication plants, such as manufacturers of automobiles and appliances, were running so short of steel that the demand for industrial finishes based on phthalic alkyd resins was off to a point where cancellations on phthalic anhydride orders were being made in several quarters. It was felt that had there been no steel strike, these cancelled orders would have been left stand, and accepted in their normal course of shipment.

Resorcinol—Business volume was said to be moderate, and definitely lower than that which was expected to develop in the Fall when a pick up in adhesives business was looked for by most producers. For several months, anything that is used as an adhesive has been in a slump, but by reason of government building programs, a jump was expected in late August or early September. Some improved demand from the dyestuffs and textile industry was to be expected, also.

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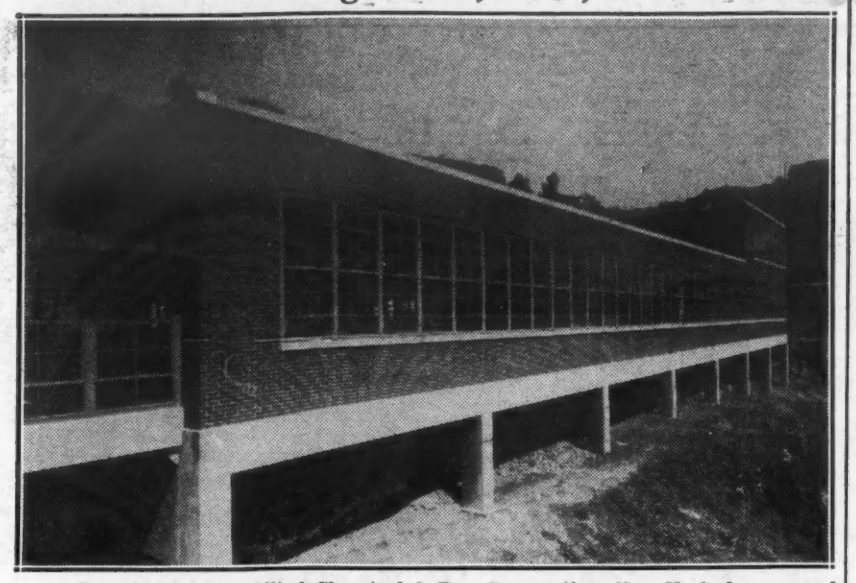

Barrett Division, Allied Chemical & Dye Corporation, New York, has opened a new laboratory at Edgewater, N. J., specially designed to develop and test materials and processes used in the manufacture of plastics, rubber products, paints and varnishes, paper, laminates, insulating materials and other products. Known as the Shadyside applications research laboratory, the unit is under the direction of D. A. Rankin, superintendent. Containing testing and actual production equipment, including mills, presses, calenders, extruders, molding machines and other special purpose facilities, the laboratory will enable Barrett technicians to develop, test and evaluate, under simulated production conditions, Barrett materials used in the manufacture of plastics, paper and other products.

Eastern Wood Preservers Get New Ceiling Prices

New ceiling prices for the eastern wood preserving industry were announced last week by the Office of Price Stabilization. The new ceilings, prescribed in Ceiling Price Regulation 157, became effective July 16. It permits treaters to reflect in their ceilings the increased cost to them, including freight, of untreated forest products.

The new ceilings apply to treated poles, piling, posts, bridge and mine timbers, railroad ties, lumber and other forest products, and to the treating services involved. Services covered include both pressure treatment in retorts and non-pressure treatment in open vats.

The new regulation was necessary because ceilings on treated forest products have been frozen under the General Ceiling Price Regulation (GCPR) since January 26, 1951, while there have been increases in ceilings on certain untreated forest products which the treaters buy and treat, OPS said. The regulation will not result in any material change in ceilings on treating services, heretofore covered by Ceiling Price Regulation 34 (Services).

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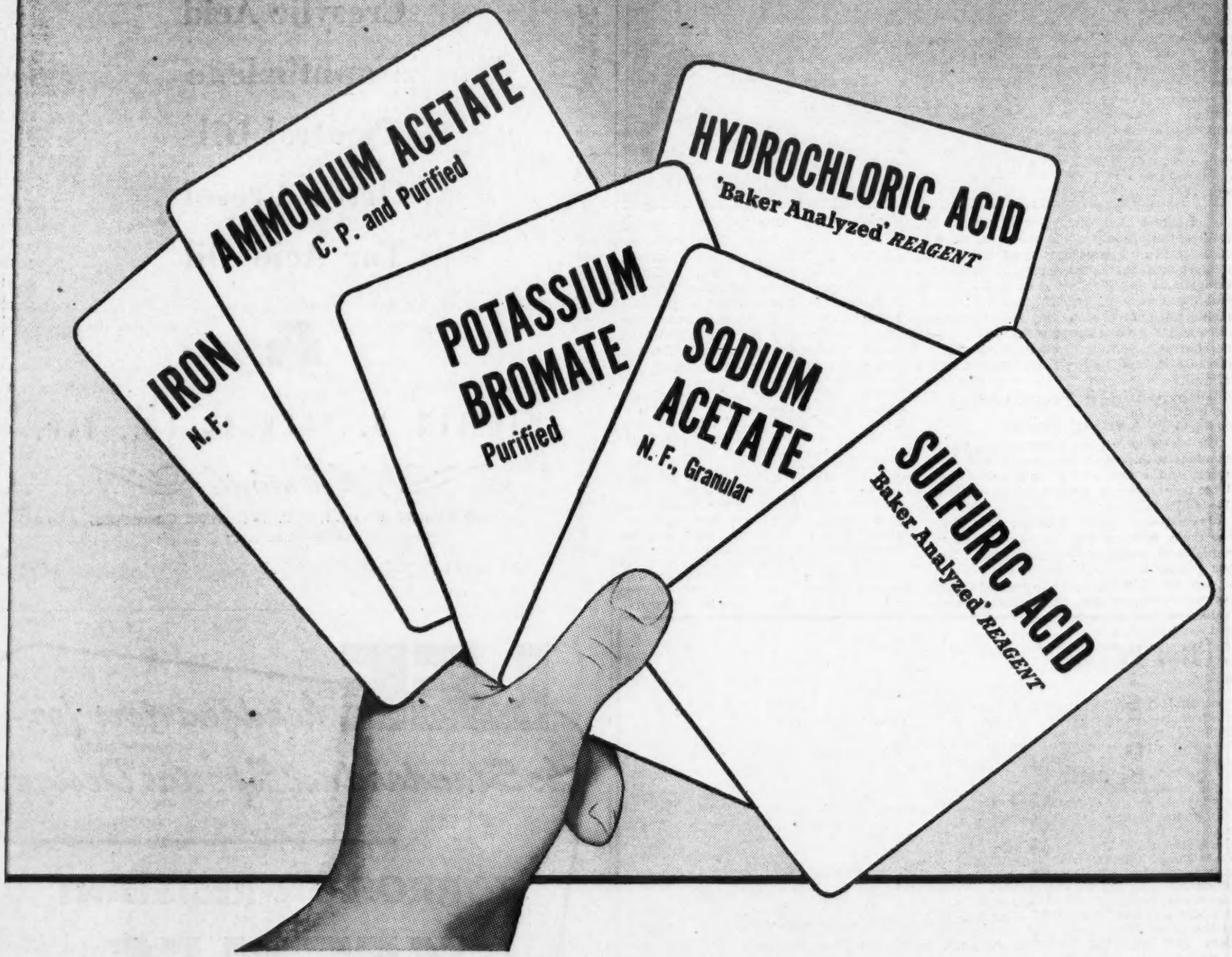

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Drugs and Fine Chemicals

There were no price movements in this market last week as far as could be determined. There were, however, some interesting developments which will affect two notable chemicals, both of which are consumed in sizable quantities.

The protracted strike which had shut down synthetic gylcerin production facilities had been settled and production of that material resumed. Although it was expected that it would take a week or more before synthetic production reaches full production, its resumption has had an immediate effect upon the market in crude glycerin. With crude virtually nonavailable during the past several weeks and stocks of natural glycerin being whittled down appreciably, natural producers were forced into the consideration of buying crude at prices which had jumped substantially in the past two months. However, with synthetic glycerin again in production, natural producers were in a much better position to wait out a fall in the current market, which has been very largely nominal.

The Cuban Sugar Institute announced the settlement of a contract with a major fermentation alcohol producer for the purchase of a minimum of 7,500,000 gallons of blackstrap and a maximum of 15,000,000 gallons within thirty days from the date of sale. The quantity purchased during the thirty day period would set a precedent for the following months since the contract provided that the buyer may purchase the same amount of molasses in following thirty day periods as in the initial period. It was also announced by the Institute that offers from other buyers would be welcomed on a similar basis.

The demand for chemicals in general was poor to fair with the overall business slump, the warm weather and the steel strike combining to slow consumption considerably.

May sales of drug wholesalers dropped 5 percent below the previous month, but were up 3 percent over sales one year ago. Cumulative sales for the first five months of 1952 were 4 percent ahead of the same period last year. Inventories (valued at cost) of drug wholesalers at the end of May were down 3 percent below the April level, but indicated an increase of 3 percent over stocks on hand one year ago.

Alcohol—Demand for industrial alcohol was reportedly fair in view of the usual Summer business lull and the effects of the steel strike which have really begun to hurt. Supplies were more than adequate for current inquiry

The most important event affecting this market in the past week has been the settlement of the Cuban molasses price impasse. The Cuban Sugar Institute last week announced the sale of a minimum of 7,500,000 gallons of blackstrap at 12c. per gallon to a major fermentation alcohol producer. The institute's molasses sales committee declared at the same time that it would welcome offers from other buyers at the same price at least for the next 15 days. The price was quoted f.o.b., Cuba.

For several months Cuba has been holding out for 20c. per gallon for its blackstrap. Fermentation alcohol and stockfood mixers have regarded the figure as too high, based on present economic conditions. Pure ethyl alcohol has been priced at 55c. per gallon for both the fermentation and the synthetic with shading below this figure the rule rather than the exception in an effort to bolster consumption.

Under the announced contract, the buyer has announced to take at least 7,500,000 gallons and a maximum of 15,000,000 gallons, within thirty days from the date of sale, at 12c. per gallon. The quantity purchased during the thirty day period would set a precedent for the following months since the contract provides that the buyer may during each of the seven additional thirty day periods, purchase the same amount of molasses acquired during the first thirty day period.

It was expected in trade circles that the deal would most likely bring in other buyers. The 1952 Cuban blackstrap yield plus the carryover from last year has been estimated to total 430,000,000 gallons.

Antibiotics—The demand for penicillin and streptomycin was reportedly at fair levels. To some degree the falling off in demand has been due to competition from other antibiotics such as aureomycin, chlormycetin and neomycin. But in a greater degree, the current slump was said to be due to seasonal influences plus the overall slack in general business activity. As late as last year these antibiotics were in tight supply due to the heavy, sustained demand. Tremendous expansion of facilities on the part of several existing producers plus the entrance into the then lucrative field of new producers, finally led to the overproduction which has plagued the market since early this year. As a result, competition between producers became a dog eat dog affair, with prices being driven so low as to leave the slimmest profit margins. With the advent of colder weather consumption of these materials was expected to pick up. How much remains to be seen.

Butyl Alcohol—Demand for butanol was poor to fair depending upon the producer queried. Supplies of both synthetic and fermentation material were ample for inquiry. It was expected that consumption of butanol and other similar lacquer solvents would be hard hit by the partial shutdown in automotive production which has finally come as a result of the eight week old steel strike. The decrease in butanol consumption which was imminent was expected to bring consumption to a new low. A recent reduction in the price of butyl alcohol, both synthetic and fermentation, had failed to elicit any significant increase in demand from the consuming industries, it was said.

Castor Oil—Trading was quiet in castor beans with the market nominal and unchanged. Imports of castor beans at New York and Philadelphia during the week ended July 17, 1952, totaled 2,029,800 pounds compared to the 1,096,650 pounds brought in during the corresponding week last year. Imports of castor oil at these ports aggregated 1,514,400 pounds while no oil was landed during the corresponding week in 1951. Total imports of castor beans at these ports since the first of the year amounted to 83,808,200 pounds compared to the 106,998,050 pounds landed during the corresponding period last year. Imports of castor oil to date total 45,425,450 pounds compares to the 45,653,810 pounds landed during the corresponding period in 1951. Export allocations of 100,000 pounds of commercial and sulphonated castor oil for the third quarter of 1952 have been announced by the Department of Agriculture. These quantities are the same as were allocated for the second quarter of this year.

Licenses to export will continue to be required for medicinal castor oil, although no limit has been placed on the total quantity which may be licensed in the third quarter. Review of the supply requirements situation, taking into account the needs of the national defense program, has led to the decision to continue the present controls, the department said.

Chloroform—Demand for this polychlorinated paraffin was reportedly fair. Supplies were adequate for current inquiry although there was some difficulty encountered in procuring the tin-lined drums which must be used in packaging the material. Prices were unchanged.

Citric Acid—The demand for this acid was reportedly at very good levels. The normally good demand was said to have been boosted by heavy seasonal consumption which was expected to continue for some time. Supplies were ample for current inquiry and producers were confident of their ability to meet the sustained demand. Prices were unchanged.

Formaldehyde—Demand for this aldehyde was considered fair with the supply ample for current inquiry. There was said to be some pickup in demand in some quarters, however. The plywood industry was consuming less formaldehyde than it had last year. With housing starts greatly curtailed as a result of the continuing high down payment restrictions on new housing, the consumption of plywood was down considerably and with it the demand for formaldehyde for use in adhesive manufacture.

Production of formaldehyde during April, 1952, totaled 62,972,867 pounds (37 percent by weight) according to the Tariff

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	July 20, 1951
96.27	96.27	....	101.70

(For Current Prices see Page 9)

PURCHASING AGENT'S BUYING GUIDE

THIAMINE Hydrochloride / Mononitrate U.S.P.

		COMPARISON	U. S. P.	ROCHE REG. TYPE*	ROCHE AMPUL TYPE*
Specifications	Hydrochloride	Purity (Dry Basis)	98% min.	99% +	99% +
		Moisture	5% max.	0.75-1.5%	2.0-3.5%
	Mononitrate	Purity (Dry Basis)	98% min.	99% +	—
		Moisture	1% max.	under 1%	—

* Usual Commercial Average Range

Source ▸ HOFFMANN-LA ROCHE INC. VITAMIN DIVISION NUtley 2-5000

Supply ▸ Manufactured by the tons. Samples available on request.

Special qualities ▸ Roche thiamine hydrochloride is available in two types:

REGULAR—for tablets, capsules, etc.

AMPUL—an original Roche development; specially prepared and recommended for the manufacture of parenteral solutions.

Roche thiamine mononitrate may have certain advantages in certain types of dry products where unusual stability problems occur.

Packaging ▸ HYDROCHLORIDE: packed in polyethylene bags in 1 to 25 Kg. fibre drums. Small quantities in amber screw cap bottles.

AMPUL TYPE is sealed under inert gas in wide mouth screw cap bottles—the Roche G.I.G. (Gassed in Glass) process.

MONONITRATE: packed in polyethylene bags in 1 to 30 Kg. fibre drums. Small quantities in amber screw cap bottles.

ROCHE B1

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Vitamin A acetate and palmitate synthetic
Ascorbic Acid Sodium Ascorbate
Riboflavin Riboflavin-5'-Phosphate Sodium
Riboflavin-5'-Phosphate Diethanolamine
Thiamine hydrochloride Thiamine mononitrate
Biotin Panthenol Pyridoxine hydrochloride
Niacin Niacinamide
dl-alpha-Tocopherol unesterified and acetate

VITAMIN DIVISION
HOFFMANN-LA ROCHE INC.
Nutley 10, New Jersey NUtley 2-5000

Pacific Coast: L. H. BUTCHER COMPANY, San Francisco, Los Angeles, Seattle, Portland, Salt Lake City
In Canada: Hoffmann-La Roche, Ltd., Montreal, Que.

PROCTER & GAMBLE
Gwynne Building, Cincinnati 2, Ohio
Commerce Building, 155 East 44th Street
New York 17, N. Y.

Glycerine
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9 CONVENIENTLY LOCATED
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- Brucine
- Cantharidin
- Colchicine
- Digitalin
- Digitonin
- Digitoxin
- Duboisine
- Emetine
- Ephedrine
- Esculin
- Eserine
- Helenin
- Homatropine
- Hydrastine
- Hydrastinine
- Hyoscine
- Hyoscyamine
- Jalap Resin
- Lobeline
- Ouabain
- Pelletierine
- Physostigmine
- Picrotoxin
- Pilocarpine
- Podophyllin
- Powdered Extracts
- Quassin
- Rutin
- Sanguinarine
- Scammony Resin
- Scopolamine
- Solid Extracts
- Sparteine
- Strophanthin
- Strychnine
- Yohimbine

Commission while the total during March this year aggregated 71,257,278 pounds.

Gelatin—Total production of gelatin during May, 1952, aggregated 4,081,523 pounds compared to the 3,767,674 pounds turned out during April this year.

Of the former total, 2,834,429 pounds were edible grade, 211,529 pounds technical, 355,586 pounds pharmaceutical type and 679,979 pounds photographic material. Production during April consisted of 2,664,794 pounds edible type, 208,821 pounds technical, 188,883 pounds pharmaceutical grade and 705,176 pounds photographic.

Total shipments of gelatin during May, 1952, aggregated 4,236,742 pounds compared to the 4,173,001 pounds shipped during April. Of the former 3,121,595 pounds were edible, 177,738 pounds technical, 273,175 pounds pharmaceutical type and 664,234 pounds photo grade. Shipments during April, 1952, aggregated 3,012,756 pounds of edible gelatin, 210,433 pounds technical grade, 308,267 pounds pharmaceutical and 641,545 pounds photographic material.

Stocks of all types of gelatin totaled 10,474,279 pounds at the end of May compared to a total of 10,629,498 pounds on hand at the end of April this year.

Glycerin—Production of synthetic glycerin was resumed last week following a strike enforced shutdown of producing facilities which had lasted eleven weeks. Total loss of glycerin production as a result of the shutdown was expected by some observers to be at least 12,000,000 pounds and probably more.

Meanwhile supplies of both refined and crude glycerin remained tight and were expected to continue short into next month at least. There has been virtually no crude glycerin available since about last month although large inventories of refined glycerin have kept the situation from becoming too critical. Following the announcement of the resumption of synthetic production, potential buyers of crude breathed easier. Sellers' ideas had been as high as 25c. per pound for odd lots of soaplye crude but buyers were reportedly not willing to pay more than 20 cents per pound in the light of the vastly improved situation.

With little crude currently available the market was very nominal at 22c. per pound in tanks for soaplye and 24c. for saponification crude. It was expected that the market would definitely weaken in coming weeks as it must with refined prices pegged in the neighborhood of 34c. per pound. As a matter of fact the loss of synthetic production had come at a propitious time for producers of refined glycerin. Prices were being shaded in refined glycerin during April and well into May during the early weeks of the strike affecting synthetic glycerin production. Throughout last month and to date, however, the supply of refined glycerin had got tight although producers were able to fill orders but with increasing difficulty. Particularly affected to some degree by the shutdown of synthetic production were accounts formerly supplied with synthetic glycerin. In some cases, producers of natural glycerin were not able to fully accommodate the added business, it was said.

Taking an overall view of the situation, supplies of refined were expected to gradually improve as synthetic production hits its stride. But it was expected that production will not be in excess of consumption until next month, at best, according to some observers in the industry.

Iodides—Demand for the iodides was generally steady, with supplies ample for current inquiry. Despite price rises in the cost of both the Chilean and domestic crude iodine late last year, the iodides have as yet failed to reflect this increase and have remained unchanged.

It was reported by one observer in the market that manufacturers had sought boosts but were denied by the Office of Price Stabilization. This could not be confirmed, however. The current slow trend in business generally was felt to be sufficient reason for prices to remain at present levels rather than to discourage consumer interests by price advances, however warranted, that they may be in light of the increased costs of the raw material involved.

Methylethylketone—Demand for this solvent was said to be at fairly good levels in light of the general business slump affecting not only the chemical industry but others as well. Consumption of this material in furniture lacquers was reportedly holding up well. Supplies were adequate and were expected to continue ample in the immediate future.

Milk Powder—The market in non-fat dry milk solids was steady. Offerings were relatively lighter with the demand fair. There was a confident undertone in the market. In dry whole milk, the market was in ample supply for fair inquiry. Total production of nonfat dry milk solids in May was estimated at 122,300,000 pounds, 21 percent larger than a year earlier and 17 percent larger than the 5-year May average, the Bureau of Agricultural Economics reported. May production showed an increase of 49 percent over that for April. Cumulative production during the first 5 months of 1952 totaled 368,095,000 pounds, up 18 percent from the same period in 1951.

Production of spray-dried nonfat milk during May, estimated at 88,600,000 pounds, showed a gain of 21 percent from a year earlier and 42 percent from the 1946-50 May average. Production increased 40 percent above the level for April. Output of this product during the first 5 months of 1952 totaled nearly 278,000,000 pounds, 16 percent greater than in the same period in 1951. Output of roller process nonfat milk was estimated at 33,700,000 pounds in May. This was 22 percent above May last year but was 20 percent smaller than the May 5-year average. May production showed an increase of 79 percent over that for April. During the January-May period, production of roller process nonfat milk totaled 90,280,000 pounds, up 25 percent from the January-May period last year.

N-Acetylpara-aminophenol—This compound has recently been released by the Food and Drug Administration for phar-

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maceutical use. Although the quantities of this drug were not moving in very large volume as yet, the demand for this analgesic was expected to grow substantially. Originally offered in January, 1951, it was withdrawn from the market, insofar as pharmaceutical use was concerned, in February of the same year. Adverse publicity was received on this item regarding its toxicity and it was withdrawn for further clinical experimentation.

The future gain in the demand for this compound was expected to be largely at the expense of both acetanilide and acetophentidin (phenacetin) since, it is claimed, N-acetylpara-aminophenol is the metabolic end-product in the body of these compounds and is responsible for the analgesic and antipyretic therapeutic action of these drugs, without adverse side effects. In connection with the nomenclature for N-acetylpara-aminophenol, it should be noted that the "N" is a capital "N" rather than a small one, indicating that it represents the fact that the acetyl group is on the nitrogen atom, rather than that it is a "normal" compound, which it isn't.

Producers were currently offering N-acetylypara-aminophenol at $1.50 per pound in lots of 1,000 pounds or more in 100 or 200 pound drums. For a similar quantity in 50 pound drums, the price was $1.52. 1,000 pounds or more in 25 pound drums was quoted at $1.54 per pound. Shipping terms are f.o.b., works.

Pentaerythritol—Demand for this polyol was fair according to reports received from producers. Supplies were adequate for current inquiry.

Production of PE during April, 1952, totaled 2,930,704 pounds according to the Tariff Commission in comparison to the partially estimated total of 2,811,128 pounds turned out during March this year.

Sugar—The United States Department of Agriculture announced that distribution of sugar in the continental United States during the week ended July 5, 1952, totaled 173,992 short tons, raw value, compared to 103,430 tons, same basis, distributed during the corresponding week last year.

Total distribution for civilian and military use from January 1 to date aggregated 4,170,585 tons, compared to the 4,259,615 tons, same basis, distributed during the corresponding period in 1951.

Ciba Pharmaceutical Wins Patent Infringement Case

Infringement of two male sex hormone patents held by Ciba Pharmaceutical Products, Inc., Summit, N. J., has been conceded by Chemical Specialties Company, New York, which also has made a substantial cash payment to Ciba in settlement of past infringement, L. J. Sichel, secretary of Ciba, disclosed last week.

In a judgment on consent before the Federal District Court in Newark, N. J., dated July 11, Chemical Specialties admitted that its allegations that the Ciba patents were invalid under the patent laws and unenforceable because they were misused as part of a conspiracy in violation of federal anti-trust laws "have no basis in fact." The allegations were contained in a complaint filed by Chemical Specialties with the court in 1949.

The judgment affirmed the validity of Ciba's basic patents "covering the pharmaceutical products testosterone proprionate and/or methyl testosterone and/or processes for their manufacture. At the same time Ciba agreed to give both Chemical Specialties and American Syntex, Inc., a Puerto Rican corporation, non-exclusive, non-assignable licenses to manufacture, use and sell testosterone propionate and methyl testosterone in the United States, its territories and possessions.

Shell Resumes Operations

Shell Chemical Corporation, New York, has announced settlement of its strike and resumption of operations. Agreement was reached between the company and union officials July 14, and production got under way again the following day. The settlement is on a sixty-day temporary basis, pending the signing of a formal contract, terms of which have already been agreed to orally by both sides. A Shell spokesman stated that glycerin stocks of the company have been virtually depleted as a result of the walkout.

Schering Promotes Dodd

James P. Dodd has been appointed assistant manager of the sales and merchandizing department of Schering Corporation, Bloomfield, N. J. Mr. Dodd has been hospital supervisor of the copany's western division since 1950. He joined Schering as a professional service representative in 1947.

Sheffield Chemical Division Posts to Corrigan, Feorello

James A. Corrigan and Frank V. Feorello have been appointed sales representatives of the chemical division of Sheffield Farms Company, Norwich, N. Y. Mr. Corrigan, formerly an instructor in bacteriology at LeMoyne College, Syracuse, N. Y., will be located at the main sales office in Norwich. Mr. Feorello, who was formerly with Charles Bowman & Co., and prior to that with E. R. Squibb & Sons, will be at the branch sales office in New York.

Pitts. Coke Fine Chemicals Position to K.C. Ruppenthal

Karl C. Ruppenthal has joined Pittsburgh Coke & Chemical Company, Pittsburgh, Pa., as technical supervisor of the firm's newly-formed fine chemicals division. He will be in charge of the sales service laboratories. Formerly a technical demonstrator and textile chemist in charge of the Philadephia laboratory of General Dyestuff Corporation, Mr. Ruppenthal has had thirteen years' experience in dyestuff application and the leather trade.

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CSMA Names Division Administrative Chairmen

The Chemical Specialties Manufacturers Association has announced the names of division administrative chairmen and vice-chairmen for 1953. They were elected at the recent mid-year meeting.

Following are the new division officers: —Aerosol division, chairman, Edmond G. Young, kinetic chemicals division of E. I. duPont de Nemours & Co.; vice-chairman, W. Earl Graham, Crown Can Company; automotive division, chairman, A. E. Moore, R. M. Hollingshead Corporation; vice-chairman, J. M. Kimmel, Aeropak, Inc.; disinfectant and sanitizers division, chairman, R. G. Puhle, Tykor products division of the Borden Company; vice-chairman, R. S. Shumard, Monsanto Chemical Company.

Also, insecticide division, chairman, James A. Green, Standard Oil Company (Indiana); vice-chairman, George W. Fiero, Esso Standard Oil Company; soap, detergents and sanitary chemical products division, chairman, D. H. Terry, Bon Ami Company; vice-chairman, W. S. Jessop, U. S. Sanitary Specialties Corporation; waxes and floor finishes division, chairman, Donald M. King, Masury-Young Company, vice-chairman, C. S. Kimball, Foster D. Snell, Inc.

Pabst Supplying Purified Coenzyme A Preparation

Pabst Laboratories, Milwaukee, Wis., has announced that it is now supplying a highly purified preparation of coenzyme A derived from brewers' yeast. This is said to be the first such preparation commercially available.

Among its many functions, Coenzyme A, a pantothenic acid containing dinucleotide, acts as a carrier of "active" acetate groups in enzyme systems associated, with the metabolism of carbohydrates, fats and proteins, the laboratory pointed out. The product is said to have shown maximum response and freedom from inhibitory contaminants in a wide variety of enzymatic reactions.

APMA Fellowships to 2

The recipients of the annual American Pharmaceutical Manufacturers' Association fellowships of $2,500 have been selected for the current year. They are Robert M. Moore, of the University of Virginia law school and Richard E. Faust, of the Massachusetts College of Pharmacy, who held an OPMA fellowship last year.

Mr. Moore will study food and drug law at New York University law school, under a fellowship administered by the Food Law Institute. Mr. Faust will continue his studies at Purdue University, where he majored in pharmaceutical chemistry with a minor in pharmacology under a fellowship administered by the American Foundation for Pharmaceutical Education.

Sharp & Dohme Names Three to Posts Abroad

Thomas A. Coppens, export sales representative in the Middle East, Italy and Greece, has been named general manager of Sharp & Dohme (Philippines), Inc. He replaces A. R. Denmark, who has been promoted to the newly-created position of district manager of export field operations, responsible for all operations in the Philippines, Australia, Malaya, Siam, Hong Kong and Formosa. David M. Burgesen has been made export sales representative in the Middle East, replacing Mr. Coppens.

Lever Opens Newark Office

Lever Brothers Company has opened a new sales office in Newark, N. J., to serve all of New Jersey and parts of New York. Previously, the firm's New York office served New Jersey as well. The New York division will move to 205 East 42nd street, and will be headed by Louis Turan, a field supervisor. Otto Ritzmann, jr., formerly head of the Syracuse, N. Y., and Pittsburgh, Pa., divisions, will be in charge of the Newark office, located at 10 Commerce street.

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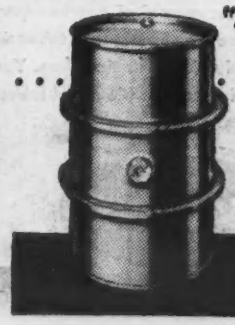

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The Cleveland Steel Barrel Co.
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Armour Anti-TB Drug Introduced as 'Armazide'

Armour Laboratories, Chicago, has added "Armazide," its brand name of isoniazid, or isonicotinic acid hydrazide, to its line of pharmaceutical products. First shipments of the new drug, intended for use in the treatment of tuberculosis, were on their way to Armour's national network of branches within an hour after the Food and Drug Administration announced approval of its release, the producer announced. "Armazide" is offered in the form of 50 milligram tablets for oral administration. It is supplied in bottles of 100 tablets of fifty milligrams each, packed in cartons of twelve.

Arner's Output Sets New Record

Drug output the first six months of this year has set a new record for the Arner Company, Buffalo, N. Y., Roy T. Sanders, jr., vice-presidnt in charge of sales, has reported. The Buffalo home plant has increased its production 22 percent over the first half of 1951, and the Canadian plant in Fort Erie, Ont., 47 percent. Increased sales have been reflected in antibiotics, vitamins and ethical specialties..

Snell Forms Package Division Under Hardy

Walter L. Hardy has joined the newly formed package engineering division of Foster D. Snell, Inc., New York, as director. He had been vice-president of the specialty package division of Leeds Sales Corporation, New York, and prior to that manager of package development with Shellmar Products Corporation, Mount Vernon, Ohio.

Snell's new division will carry out research and development work on packaging materials and procedures, corrosion and its prevention, prevention of mold and fungus deterioration, shock and vibration studies, and package and package material evaluations. The company reports that a completely equipped laboratory has been established for this work.

Aries Opens Texas Office

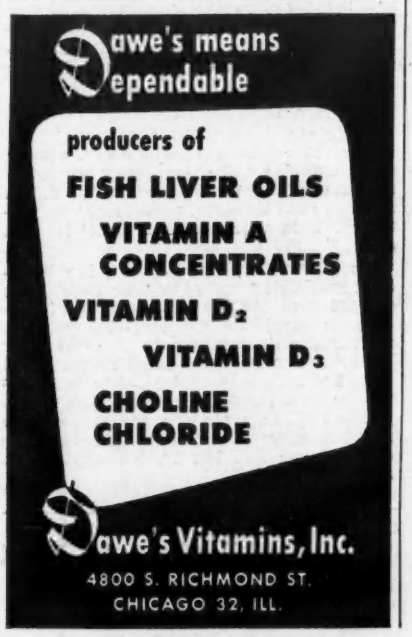
R. S. Aries & Associates, New York, has announced the establishment of a regional office at 211 Brightwood place, San Antonio, Tex. The branch office has been set up to satisfy the increased demands for services in the southwest, and will coordinate Aries consulting work in the area. Operations will be directed by Alden H. Waitt, vice-president of the Aries organization.

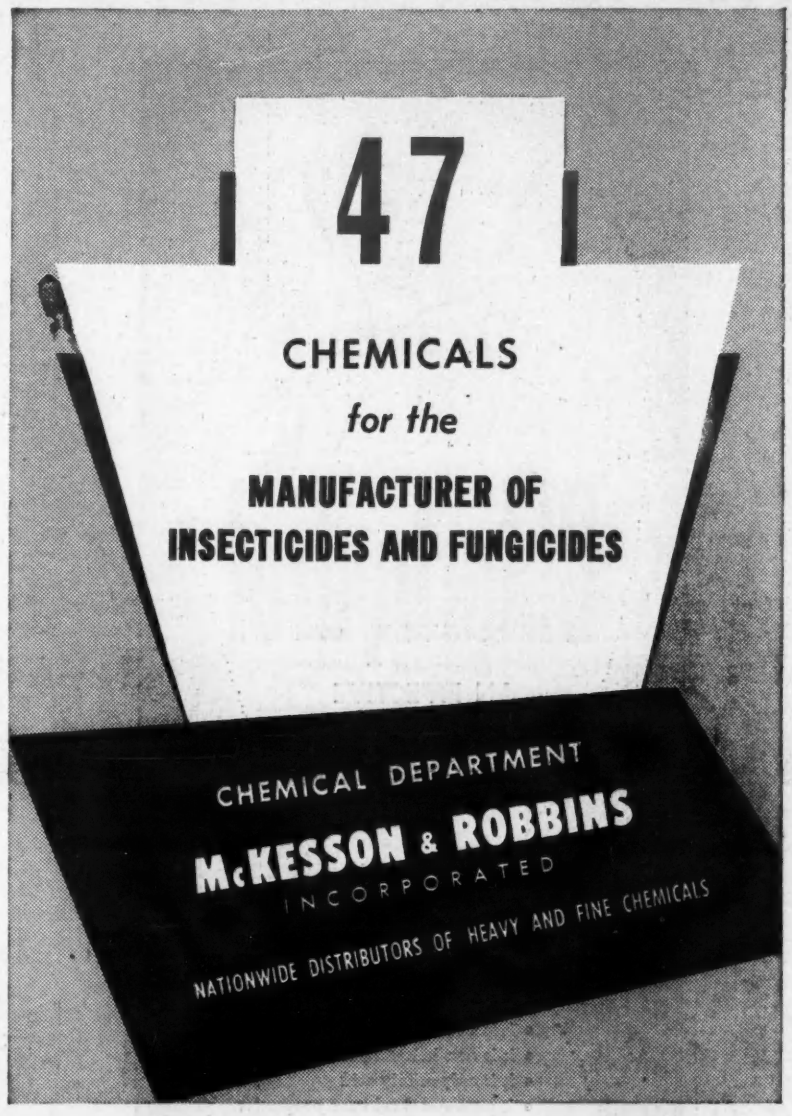
Trade Briefs

Sharp & Dohme, Inc., Philadelphia, has renewed its $5,000 research grant to the University of Texas department of pediatrics.

Davis & Geck, Inc., a unit of American Cyanamid Company, has developed a plastic powder used in making lighter, stronger orthopedic casts.

Dodge & Olcott, Inc., New York, has received the City of New York's Certificate of Business Merit in recognition of more than 100 years of community service.





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Scientific Gains Hailed

—Continued from page 5

of thrift, enterprise and initiative have lost much of their original glamour."

To meet the challenges of the great new world of science, he said, "we must face them as the men and women of Irenee duPont's time faced theirs—with the same venturesome spirit, the same zeal, the same determination. And it follows that we should and must have the same conditions that nurtured this spirit—the same freedom, the same incentive, the same spur to initiative.

"Our progress up to now has been in direct ratio to the degree of human freedom afforded us. Our rate of progress in the future will be determined identical fashion. I am quite confident that this essential truth will be recognized and affirmed by the American people.

Sees Progress Limitless

"With freedom assured, there can be no limit to the progress we can make. The new continent we have before us has no boundaries. Its horizons are as broad and as limitless as the spirit and the imagination. For us it is the opportunity of multiplying our national inheritance many times. I am sure we can do so."

The marker dedicated by Mr. Carpenter is a seven-ton millstone resting on a granite base on which have been mounted bronze plaques designed and executed by Domenico Mortellito, Wilmington sculptor.

Mr. Carpenter said that the stone "will commemorate, not only today but for many years to come, the services of those thousands of men and women who have preceded us; who are here today; and who will, in turn, succeed us. And to that end there has been inscribed upon this monument the following: 'On this site in 1802 the duPont Company was conceived. It has grown with the growing nation under a system dedicated to freedom. Its greatest asset has been all its people and its guiding philosophy that there is no privilege that is not inseparably bound to a duty'."

Five duPont Presidents in Attendance

Henry B. duPont, speaking of some of the men and women who contributed to the company's growth and success, observed that of the company's ten presidents since 1802, five were present at the ceremonies:—Pierre S. duPont, Irenee duPont, Lammot duPont, Mr. Carpenter, and Mr. Greenewalt.

Of Pierre S. duPont, now honorary chairman of the board, Henry duPont said, "The company in its present form owes its very existence to his personal efforts; its accomplishments in the chemical field would literally have been impossible without his wise and sensitive leadership."

Of Pierre duPont's successors, Henry duPont said, "I think it is enough to say that each inherited a tradition, and that each embellished it with his own singular contributions. It is a tradition that began, as we have seen, long ago. It is a tradition shared by thousands of duPont employees, past and present. It is a tradition that lives today as bright, as untarnished, and as imperishable as when it was born on this scene a century and a half ago today."

Historical Dramatic Prologue

The program opened with an historical dramatic prologue depicting the company's founding. The roles of E. I. duPont and his wife, Sophie, were portrayed by Eduard Franz and Miss Sigfirid Gurie, who played the same roles in the motion picture, "The duPont Story." The ceremony closed with a benediction by the Rev. Dr. William C. Munds, rector of Christ Church, Greenville, Del., which has been attended by members of the duPont family and company employees for 100 years.

Before the ceremonies, guests inspected the ground floor of "Eleutherian Mills," the house into which E. I. duPont and his family moved in 1803; the company's first office building; and the small stone house where the founder and his family lived during their first summer in Delaware. These buildings, as well as the site of the anniversary celebration, are on the property of Mrs. Francis B. Crowninshield, a great granddaughter of E. I. duPont.

The drive along the Brandywine and the area adjacent to the old mills will be open to all duPont employees and their families for the next several weeks.

Fair Trade Legislation

—Continued from page 3

should be retained in our progressive free enterprise economy," he thought the new act "does have value in eliminating certain unfair business competitive practices, and thereby will help small businessmen to stay in business—which I believe is a healthy thing."

Sees Harm Exaggerated

"I do not believe the 'fair trade' laws are as harmful to competition as some have asserted," he continued. "There are and will be strong competitive forces among manufacturers, wholesalers and retailers, even with the 'fair trade' laws in effect."

As for the small merchants, the President said that "while the 'fair trade' laws protect him against some types of cutthroat competition, the local independent merchant will continue to have to offer better and more convenient service, and to sell at reasonable prices, if he is to survive against the legitimate and keen competition of such modern advances in the retail field as the super-market, the mail-order house and the branch department store."

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J.T. Baker Research Head

Dr. Gilbert E. Goheen has been named director of research and development for J. T. Baker Chemical Company, Phillipsburg, N. J. Dr. Goheen was formerly associate director of General Aniline & Film Corporation's central research laboratory. He joined General Aniline in 1942, following five years of research work for Sun Oil Company.

Firestone Develops New Synthetic Rubber Catalyst

Firestone Tire & Rubber Company, Akron, Ohio, has announced that it has developed a new catalyst to produce conventional synthetic rubber equal to "cold" synthetic rubber, which requires costly refrigeration equipment.

Firestone said that it has found that paranitrobenzene parachlorobenzene sulphonate, known as "Nitrazole CF," makes synthetic rubber with the wearing advantages of "cold" type without dropping the temperature below the standard figures of 122 degrees Fahrenheit. This catalyst, therefore, eliminates the need for costly refrigeration, Firestone pointed out, and future synthetic rubber plants can be built at a lower cost.

Tin Products Export Quotas Announced for 4th Quarter

Fourth quarter export quotas have been established at the same levels as for the third quarter for various tin products by the Office of International Trade.

A quota of 425,600 pounds was fixed for lead solder, including welding rods; tin metal powder; tin foil; tin collapsible tubes and other tin manufactures; babbitt metal; and tin pipe, plates, sheets, tubes and other primary forms of tin. The quota applies only to the tin content of these products.

For tin scrap and tin-bearing residues, the quota is 224,000 pounds of contained tin. However, this quota does not apply to tin bearing residues licensed for shipment on toll agreements which provide that an equivalent amount of pig tin shall be returned to the United States. Exports of tin residues, which are in such form as to make it impractical for US smelters to process them, also will be licensed outside the quota if the license applicant certifies that domestic smelters have refused the material for processing.

The fourth quarter export quota for tin metal in ingots, pigs, bars, blocks, anodes, cathodes, slabs, and other crude forms, including grains, granules and solder containing 95 percent or more tin is 89,600 pounds.

Gane & Ingram Receives Approval on Anti-TB Drug

Gane & Ingram, Inc., New York, and its affiliated company, A. Maschmeijer, jr., Inc., have announced that a master file number has been assigned by the Food and Drug Administration, covering their isonicotinic acid hydrazide.

Production on a tonnage scale was initiated some months ago at the Maschmeijer factory in Newark, N. J., it was reported. This data is available to all pharmaceutical manufacturers who desire to file with the FDA on their own dosage forms of isonicotinic acid hydrazide.

Stauffer Appoints Goodhue

Stauffer Chemical Company, San Francisco, Calif., announced the appointment of R. K. Goodhue as its Akron, Ohio, district sales manager. Mr. Goodhue has been associated with Stauffer since 1942.

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Obituaries

Frederick H. Lane

Frederick H. Lane, consultant on protective coatings for Hercules Powder Company, Wilmington, Del., for the past twenty-eight years, died July 12 in Sarasota, Fla. He was sixty-nine years old.

Mr. Lane entered the paint and varnish field in 1908 as chief chemist for E. Calman & Co. In 1923 he became research director for Devoe & Raynolds Company. He joined Baer Brothers, Stamford, Conn., in 1925 as works manager, a post he held until 1929, when he retired from active manufacturing to engage only in consultant work.

Besides his association with Hercules, Mr. Lane was also a consultant for Harbor Plywood Corporation, Hoquiam, Wash., and was director of chemical research for the Florida Research Corporation.

Dr. Wilbur B. Dexter, who worked for thirty-three years in the laboratories of the National Carbon Company, died July 13 in North Olmsted, Ohio. His age was sixty.

Dr. Henry T. Fernald, professor emeritus of entomology, and retired director of the graduate school at the University of Massachusetts, Amherst, Mass., died July 15 in Winter Park, Fla. He was eighty-six years of age. Dr. Fernald joined the Massachusetts faculty in 1899, and retired in 1930.

Dr. William G. Harper, retired chemist in the laboratories of Hoffmann-LaRoche, Inc., Nutley, N. J., died July 15 in Fort Walton, Fla. He was sixty-seven years old. Dr. Harper had been with Hoffmann-LaRoche for twenty years before moving to Florida in 1950.

Henry E. Jacoby, eastern sales representative for D. R. Sperry & Co., Aurora, Ill., died July 13 in Yonkers, N. Y. His age was seventy-one.

Edward F. Kelchner, who retired two years ago as eastern district sales manager of Devoe & Raynolds Company, New York, died July 13 at his home in the Bronx, N. Y. He was sixty-six years of age. Mr. Kelchner had been associated with Devoe for forty years.

Ernest M. Marshall, geologist and chemist, died July 10 in Bridgeport, Conn. He was seventy-seven years old.

J. Bailey Pratt, a senior executive of H. J. Baker & Bro., New York, died July 11 in Manchester, Vt. He was sixty-one years old. Mr. Pratt began his business career with Darling & Co., Chicago. He joined H. J. Baker in 1923, serving for six years in its Baltimore, Md., branch before moving to New York.

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Flaxseed Acreage Goals Fixed for Three States

The Department of Agriculture announced July 16 a goal of 217,000 acres for flaxseed to be planted in the three states of California, Arizona, and Texas this year where flaxseed is winter-grown.

For California and Arizona the goal is the same as the acreage seeded for the 1952 crop—45,000 acres for California and 2,000 acres for Arizona. For Texas, the goal is 170,000 acres as compared with 119,000 acres seeded for the 1952 crop—a year of abnormally low seedings because of unfavorable moisture conditions at seeding time. Goals for other flaxseed acreages in other producing states, and for other crops will be determined and announced later in the year, well before planting time next spring.

OPS to Allow Ceiling Boosts To Meet State-Fixed Prices

Sellers in states with minimum price laws were authorized July 17 by the Office of Price Stabilization to apply for higher ceilings to meet the state-fixed price levels.

In issuing its order, OPS made clear that it was doing so to comply with the amendments by congress to the control law. This provides that ceilings may not be fixed by OPS, which are lower than the prices fixed by state law.

The order applies only to the states which had minimum price laws in effect and being enforced last June 30. It is estimated that about thirty states have such laws, but no accurate count has been made of the number of states which are enforcing those laws.

Parke, Davis & Co. Names Two to Field Assignments

Parke, Davis & Company, Detroit, has announced the appointment of field managers for the Pittsburgh and Atlanta branches. William E. Brackman has been named to the first post and Frank W. Errigo to the second.

Mr. Brackman joined Parke, Davis last year as sales representative in the Pittsburgh area. In his new capacity he will serve territories in outstate New York. Mr. Errigo became associated with the company in 1948 as salesman and medical serviceman, with headquarters in Rome, Ga. Last year he was assigned to Atlanta, contacting service hospitals, industrial medical units and government installations in that area.

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ANNATTO SEED—52 bgs, Guayaquil
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ARABIC GUM—280 bgs, Liverpool
ARROWROOT—3,419 bgs, Morningstar Nicol, St Vincent
BASIL OIL—2 dms, Lo Curto & Funk, Marseille
BAUXITE ORE—4,810 tons, Aluminum Import Corp, Chaguaramas
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212 bgs, Lisbon
BENZOIN GUM—58 cs, George Lueders & Co, Bangkok
BERGAMOT OIL—70 hf cs, Citrus & Allied Essential Oil Co, Messina
BERYLLIUM ORE—1,242 bgs, Penson & Co, Buenos Aires
BETANAPHTHOL — 1 dm, Berkshire Chemicals Inc, Rotterdam
BILE, OX—2 dms, Lo Curto & Funk, Glasgow
2 dms, Bernard Preyer, Rotterdam
9 dms, J M Rogers, Copenhagen
BISMUTH METAL—92 bxs, Cerro de Pasco Corp, Callao
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91 cs, J W Hampton jr, Yokohama
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CASEIN—300 bgs, Paul A Dunkel & Co, Havre
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1 dm, Getz Bros, Bombay
CASTOR BEANS—5,332 bgs, National City Bank, Bombay
600 bgs, Guaranty Trust Co, Bombay
3,970 bgs, Chase National Bank, Bombay
690 bgs, Marcel Calvet, Bahia
1,050 bgs, Spencer Kellogg, Manta
729 bgs, Chase National Bank, Mombasa
367 bgs, Spencer Kellogg, Jacmel
794 bgs, Baker Castor Oil Co, Port De Paix
OIL—511 dms, Manufacturers Trust Co, Bombay
125 dms, Bank of India Australia & China, Bombay
250 dms, Irving Trust Co, Bombay
200 tons, Spencer Kellogg, Rotterdam
CELERY SEED—165 bgs, Louis Furth, Marseille
44 bgs, Otto Gerdau, Marseille
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78 dms, Lo Curto & Funk, Keelung
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10 dms, Synfleur Lab, Keelung
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COPAL GUM—60 bgs, S Winterbourne & Co, Manila
35 bgs, Internatio Rotterdam, Singapore
CRESYLIC ACID—55 dms, H A Gogarty, Liverpool
CUTTLEFISH BONE—221 cs, American Cuttlefish Bone & Crucible Co, Genoa
73 bxs, Lisbon
DAMMAR GUM—425 bgs, S Winterbourne & Co, Singapore
182 bgs, O G Innes Corp, Singapore
DERRIS ROOT POWDER—400 bgs, Callao
DEXTRIN—200 bgs, Rotterdam
DIATOMACEOUS EARTH—60 bgs, M Argueso & Co, London
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EPSOM SALT—2,000 bgs, Elbert & Co, Bremen
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EUCALYPTUS OIL—5 dms, Industrial Sales Corp, Lisbon
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FUEL OIL—103,600 bbls, Metropolitan Petroleum Corp, Punta Cardon
105,484 bbls, Paragon Oil Co, Punta Cardon
101,972 bbls, Asiatic Petroleum Corp, Curacao
83,261 bbls, Esso Export Corp, Caripito
169,658 bbls, Esso Export Corp, Curacao
106,097 bbls, Esso Export Corp, Amuay Bay
GELATIN—40 bbls, Coignet Chemical Co, Antwerp
400 bgs, Transatlantic Animal By-Products Corp, Rotterdam
100 bgs, T M Duche & Sons, Antwerp
100 bgs, D Young & Co, London
GERANIUM OIL—2 dms, Felton Chemical Co, Marseille
GHATTI GUM—80 bgs, Paul A Dunkel & Co, Bombay
GLANDS—94 bxs, Rotterdam
15 cs, Rotterdam
GLUE, BONE—500 bgs, Transatlantic Animal By Products Corp, Rotterdam
PEARL—400 bgs, Transatlantic Animal By Products Corp, Antwerp
GLYCERIN—167 tons, Procter & Gamble, Manila
GYPSUM—2,670 tons, Newark Plaster Co, Walton
20,462 tons, U S Gypsum Co, Hantsport
HEXAMETHYLENETETRAMINE — 50 bbls, H A Gogarty, Hamburg
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133 bgs, J H Schroder, Bombay
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LABDANUM GUM—25 cs, National City Bank, Bilbao
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LEMON OIL—10 hlf cs, Corn Exchange Bank, Messina
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1,600 bgs, Rotterdam
260 bgs, Bremen
SUGAR—100 bgs, Liverpool
MINERAL WAX—20 bgs, Wax & Rosin Products, Hamburg
MOLASSES—808 tons, Standard Brands Inc, Rouen
MONTAN WAX—2 bgs, Wax & Rosin Products, Bremen
MUSTARD SEED—400 bgs, Rotterdam
85 bgs, Valparaiso
MYROBALANS—1,440 bgs, Chemical Bank, Bombay
EXTRACT—400 bgs, Tanimex Corp, Hull
NAPHTHALENE—1,000 bgs, Gallard Schlesinger, Copenhagen
250 bgs, Gallard Schlesinger, Bordeaux
250 bgs, Antwerp
NICKEL FORMATE—27 bbls, American Firstoline Corp, Hamburg
58 kgs, E F Drew & Co, Bremen
SULPHATE—120 bgs, M W Hardy & Co, London
25 cks, Industrial Sales Corp, Antwerp
NUTMEGS—100 bgs, Landes & Balint, Grenada
13 bgs, Rotterdam
OLIVE OIL—30 dms, Schroeder Bros, Marseille
60 dms, Gem Packing Corp, Marseille
20 dms, J L Sclafani, Marseille
20 dms, B Filippone, Marseille
100 dms, Udo & Taormina, Marseille
100 dms, Hanover Bank, Marseille
512 dms, A M Corp, Marseille
25 dms, Irving Trust Co, Barcelona
25 dms, Seville
PALMAROSA OIL—8 pots, Lo Curto & Funk, Bombay
2 pots, Chemical Bank, Bombay
PARSLEY SEED—147 bgs, W F Mhaneke, Marseille
PATCHOULI OIL—47 dms, Internatio Rotterdam, Belawan Deli
8 dms, Lo Curto & Funk, Belawan Deli
PEATMOSS—5,450 bls, Premier Peatmoss Corp, Bremen
2,000 bls, E J Lang, Bremen
2,000 bls, New Amsterdam Import Co, Bremen
685 bls, Halfmoon Mfg & Trading Co, Rotterdam
100 bls, Lewis Intern Corp, Bremen
3,765 bls, Atkins & Durbrow, Bremen
PEPPER, BLACK—160 bgs, Mincing Trading Corp, Cochin
80 bgs, C Czarinkow, Cochin
80 bgs, Kellys America Ltd, Rotterdam
41 bgs, Mincing Trading Corp, London
80 bgs, K A Export Corp, Cochin
41 bgs, L D Seymour, Cochin
160 bgs, Bank of N Y, Bombay
480 bgs, Volkart Bros, Cochin
160 bgs, East India Trading Co, Cochin
240 bgs, Joensson & Cross, Cochin
80 bgs, A G Dunn, Cochin
WHITE—16 bgs, Mincing Trading Corp, Tandjong Priok
31 bgs, Internatio Rotterdam, Tandjong Priok
43 bgs, Mincing Trading Corp, Singapore
16 bgs, Meer Corp, Singapore
32 bgs, A G Dunn, Singapore
PETROLEUM, CRUDE—380,000 bbls, Socony Vacuum Oil Co, Puerto La Cruz
284,199 bbls, Esso Standard Oil Co, Cartagena
304,223 bbls, Phillips Oil Co, Puerto La Cruz
181,724 bbls, Esso Standard Oil Co, Amuay Bay
POLLACKLIVER OIL—100 dms, H A Gogarty, Yokohama
75 dms, Smith Interocean, Yokohama
110 dms, Interocean Chemical & Minerals Corp, Yokohama
POLLACKLIVER OIL—110 dms, Wilbur Ellis Co, Yokohama
50 dms, Albumina Supply Co, Yokohama
55 dms, Consumers Import Co, Yokohama
150 dms, Arista Oil Products Co, Yokohama
15 dms, Maxim Chemical Co, Yokohama
40 dms, Bank of N Y, Yokohama
5 dms, Bankers Trust Co, Yokohama
POPPY SEED—100 bgs, Biddle Purchasing Co, Rotterdam
200 bgs, C M Van Sillevoldt, Rotterdam
100 bgs, Louis Furth, Rotterdam
100 bgs, R L Friedler, Rotterdam
250 bgs, Levy & Levis Co, Rotterdam
POTASSIUM MURIATE—1,816 tons, French Potash & Import Co, Antwerp
CYANIDE—176 dms, Liverpool
PERMANGANATE—4 dms, Prentiss Drug & Chemical Co, London
PSYLLIUM SEED—121 bgs, Meer Corp, Bombay
1,000 bgs, S B Penick & Co, Bombay
150 bgs, T M Duche & Sons, Bombay
240 bgs, Prentiss Drug & Chemical Co, Bombay
390 bgs, Parke Davis & Co, Bombay
PYRETHRUM FLOWERS—124 bls, Brown Bros, Dar es Salaam
75 bls, Mombasa
QUEBRACHO EXTRACT—8,969 bgs, River Plate Import & Export Corp, Buenos Aires
QUINIDINE SULPHATE—4 cs, Lo Curto & Funk, Hamburg
8 cs, Chas L Huisking, Hamburg
RADIUM ELEMENT—2 cs, Radium Chemical Co, Antwerp
RAPE SEED—200 bgs, Catz American Co, Rotterdam
RESIN—93 bgs, F L Kraemer & Co, London
ROSEWOOD OIL—5 cks, George Uhe Co, Havre
SAFFRON—6 cs, V M Calderon Co, Leixoes
SAGE LEAVES—100 bls, Hamburg
SANDALWOOD BILLETS—1,723 bgs, W J Bush & Co, Bombay
OIL—5 dms, Internatio Rotterdam, Rotterdam
SASSAFRAS OIL—25 dms, Brown Bros, Yokohama
SCHEELITE ORE—1,500 cs, Gsa-Eps, Yokohama
SEEDLAC—300 bgs, Gillespie-Rogers-Pyatt, Calcutta
232 bgs, Schwab Bros, Calcutta
450 bgs, Mac-Lac Co, Calcutta
200 bgs, H C Smith, Calcutta
612 bgs, East Asiatic Co, Bangkok
245 bgs, J S Khorana, Bangkok
SHARKLIVER OIL—10 dms, Collett Week Nibecker, Valparaiso
14 dms, Collett Week Nibecker, Keelung
5 dms, Van Gelder Fanto Corp, Yokohama
SHELLAC—100 bgs, Wm Zinsser & Co, Calcutta
100 bgs, Gillespie-Rogers-Pyatt, Calcutta
100 bgs, Colony Import & Export Corp, Calcutta
50 bgs, John H Ross, Calcutta
250 bgs, Mantrose Corp, Calcutta
100 bgs, Mac-Lac Co, Calcutta
SIENNA—200 bgs, Reichard Coulston, Leghorn
SODIUM BICARBONATE—499 bgs, Chemical Mfg Co, Liverpool
SILICOFLUORIDE—50 bgs, Leviant & Co, Hamburg
SULPHATE—6,000 bgs, Lo Curto & Funk, Antwerp
SPERMACETI WAX—100 ctns, Glasgow
STEARIN—300 bgs, Liverpool
SULPHUR, PRECIPITATED—66 cks, Mallinckrodt Chemical Works, Liverpool
TAMARIND—25 bbls, New East Importing Co, St Johns
TANNIC ACID—80 kgs, American Dyewood Co, Glasgow
TARA POWDER—677 bgs, J P Morgan & Co, Callao
69 bgs, Callao
TEAFLUFF—700 bgs, Citro Chemical Co, Colombo
TEAWASTE—37 chts, Citro Chemical Co, Liverpool
THYME LEAVES—68 bgs, Louis Furth, Marseille
72 bls, Seeck & Kade, Marseille
36 bls, Landes & Balint, Marseille
TRIALKYL THIOPHOSPHATE — 99 cbys, Geary Chemical Corp, Rotterdam
18 dms, George Uhe, Rotterdam
TURMERIC ROOT—114 bgs, National City Bank, Bombay
114 bgs, Irving Trust Co, Bombay
UREA—500 bgs, Chemical Mfg Co, Liverpool
VANADIUM CONCENTRATES—1,742 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—163 cs, George Uhe Co, Marseille
34 cs, Otto Gerdau, Marseille
35 cs, F Huber & Co, Tandjong Priok
33 cs, Marseille
14 cs, Havre
VETIVERT OIL—1 dm, van Ameringen-Haebler, Marseille
WATTLE BARK—1,036 bgs, Brown Bros, Rotterdam
WHITING—2,520 bgs, Hammill & Gillespie, Hull
1,120 bgs, Smith Chemical & Color Co, Hull
400 bgs, Pluess Staufer, Antwerp
400 bgs, J T Baker Chemical Co, London
3,400 bgs, N H Weitzner, Antwerp
WITHERITE—120 tons, Judson Sheldon Corp, Hull
WOLFRAM ORE—390 bgs, Girard Trust Co, Leixoes
360 bgs, National City Bank, Bangkok
33 bgs, National City Bank, Penang
100 bgs, Lisbon
755 bgs, Bangkok
100 bgs, Hong Kong
WOLFRAMITE—200 bgs, Girard Trust Co, Leixoes
WOOL GREASE—115 dms, Hummel Chemical Co, Rotterdam
54 dms, Gallard Schlesinger, Hamburg
187 dms, N I Malmstrom, Genoa
30 dms, Croda Inc, Liverpool
51 dms, Hudson Shipping Co, Antwerp
52 bbls, N I Malmstrom, Genoa
29 dms, National Shawmut Bank, Boston, Genoa
52 dms, Riches Nelson, Antwerp
120 dms, Croda Inc, Hull
84 kgs, N I Malmstrom, Genoa
15 dms, Marine Trust Co, Genoa
13 dms, Eelsingh & Luytigheid, Rotterdam
YEAST—1,200 bgs, Franex Overseas Trading Co, Rotterdam
YLANG YLANG OIL—1 ck, L A Champon & Co, Havre
3 dms, Lo Curto & Funk, Marseille

Baltimore

MANGANESE ORE—5,000 tons, E J Lavino & Co, Takoradi
1,440 tons, C Tayler & Sons, Calcutta
700 tons, Philipp Bros, Calcutta
4,000 tons, U S Steel Co, Calcutta

Boston

OLIVE OIL—25 dms, National Shawmut Bank, Seville

Los Angeles

AGAR—14 bls, Pan Asiatic Trading Co, Kobe
AMMONIUM CHLORIDE—400 bgs, Chemical Manufacturing Co, Manchester
BONEMEAL—1,120 bgs, Seed & Feeding Corp, Rotterdam
1,102 bgs, Atkins Kroll & Co, Hamburg
CITRONELLA OIL—6 dms, Hismoco American Co, Hongkong
COPRA, BULK—1,000 long tons, Spencer Kellogg & Sons, Cebu
CAKE—6,000 bgs, Balfour Guthrie Co, Cebu
1,494 bgs, Balfour Guthrie Co, Zamboanga
1,494 bgs, Atkins Kroll & Co, Zamboanga
841 bgs, Atkins Kroll & Co, Cristobal
4,000 bgs, Pacific Vegetable Oil Corp, Cebu
DEXTRIN, WHITE—100 bgs, Stein Hall & Co,
DICALCIUM PHOSPHATE—2,006 bgs, The Girard Rotterdam
Trust Corn Exchange Bank, Antwerp
DIGITALIS LEAVES—100 bls, Hosco Chemical Works, Rotterdam
GLUE—350 bgs, Matoon & Co, Gothenburg
IRON OXIDE—450 bgs, Frank D Davis Co, Rotterdam
MAGNESIUM SILICO FLOURIDE—40 kegs, Rotterdam
NAPHTHALENE—300 bgs, Getz Brothers, Hamburg
PAPRIKA—70 bgs, Hismoco American Co, Hamburg
100 bgs, D Hecht & Co, Rotterdam
240 bgs, Hismoco American Co, Rotterdam
PEAT MOSS—750 bls, Wilbur Ellis Co, Hamburg
1,050 bls, John Schumacher Co, Bremen
1,600 bls, Pacific Wax & Trading Co, Bremen
160 bls, Wilbur Ellis Co, Bremen
300 bls, W H Wickersham Co, Bremen
1,000 bls, W R Grace & Co, Bremen
1,000 bls, E H Appleby & Co Inc, Bremen
750 bls, E J Lang, Bremen
900 bls, H M Newhall & Co, Rotterdam
1,000 bls, Pacific Wax & Trading Co, Rotterdam
1,000 bls, W R Grace & Co, Rotterdam
500 bls, Bank of California National Association, Rotterdam
PETROLEUM, CRUDE—124,377 bbls, General Petroleum Co, Puerto La Cruz
POLLACKLIVER OIL—50 dms, The Bank of New York, Yokohama
SESAME SEED—550 bgs, Security First National Bank of Los Angeles, Corinto
150 bgs, H M Newhall & Co, Corinto
100 bgs, Corinto
SODIUM SILICOFLUORIDE—300 bgs, L H Butcher & Co, Hamburg
UREA—1,400 bgs, The Nylos Trading Co, Antwerp
WHITING—410 bgs, Antwerp

Philadelphia

ANTIMONY—62 bbls, Chase National Bank, Hamburg
ARSENIC—83 bbls, Compania Minaralisan Co, Tampico
ASBESTOS FIBER—1,627 bgs, Phila National Bank, Durban
CARAWAY SEED—100 bgs, Rotterdam
CASEIN—2,000 bgs, First National Boston, Liverpool
CASTOR OIL—380 tons, Bunge Corp, Santos
CRESYLIC ACID—150 dms, Manchester
FISHMEAL—2,200 bgs, Bank of California, Capetown
2,000 bgs, Casablanca
FLUORSPAR—2,760 tons, Chas Kurz Co, Santander
3,082 tons, Cagliari
643 tons, Durban
GRAPHITE—350 bgs, Market St Bank, Colombo
GYPSUM—6,217 tons, U S Gypsum Co, Hantsport
IRON OXIDE, RED—40 bbls, National Color Co, Malaga
LITHIUM CARBONATE—30 dms, Phila National Bank, Rotterdam
MANGANESE ORE—6,000 tons, E J Lavino, Takoradi
MILK POWDER—2,664 bgs, Rotterdam
90 cs, Western Dairy Products, Hamburg
3,100 bgs, Western Dairy Products, Gothenburg
600 cs, Hamburg
1,892 bgs, Gothenburg
NAPHTHALENE—6,666 bgs, Rotterdam
1,000 bgs, American Tebu Corp, Rotterdam
1,287 bgs, Liverpool
PEATMOSS—1,200 bls, Bank of Manhattan Co, Hamburg
2,400 bls, Hanover Bank, Hamburg
1,500 bls, Keer Mauer, Bremen
1,500 bls, Bremen
1,300 bls, Hamburg
PETROLEUM CRUDE—242,790 bbls, Socony Vacuum Oil Co, Puerto La Cruz
292,393 bbls, Socony Vacuum Oil Co, Mena Al Ahmadi
24,894 tons, Socony Vacuum Oil Co, Mena Al Ahmadi
103,975 bbls, Gulf Oil Corp, Mena Al Ahmadi
534,037 bbls, Gulf Oil Corp, Puerto La Cruz
110,991 bbls, Gulf Oil Corp, Las Piedras
107,101 bbls, Atlantic Refining Co, Las Piedras
197,636 bbls, Atlantic Refining Co, Mena Al Ahmadi
401,751 bbls, The Texas Co, Sidon
POPPY SEED—50 bgs, Rotterdam
TANKAGE—595 bgs, International Packers Ltd, Buenos Aires
WHITING—1,000 bgs, N H Weitzner, Antwerp
YEAST—1,200 bgs, Rotterdam

San Francisco

CALCIUM CHLORIDE—100 dms, Light Work Products, Antwerp
CASTOR OIL—668 dms, Pacific Vegetable Oil Corp, Bombay
759 dms, Bank of California, Bombay
508 dms, Sarabbai Agency, Bombay
1,017 dms, J H Redding, Bombay
FISHLIVER OIL—50 dms, Wilbur Ellis Co, Otaru
50 dms, Nopco Chemical Co, Otaru
100 dms, Arista Oil Products Co, Yokohama
30 dms, Vitamins Inc, Yokohama
OLIVE OIL—100 dms, Erminio & Co, Tunisia
PAPRIKA—250 bgs, Ziel & Co, Cristobal
SESAME SEED—300 bgs, Lastreto Phillips, Corinto
670 bgs, Pacific National Bank, Corinto

Parke, Davis Names Lau To Antibiotic Division Post

Promotion of E. F. Lau to assistant superintendent of the antibiotic division of Parke, Davis & Co., Detroit, has been announced by Earl W. Walke, director of United States and Canadian production.

Since 1949, Mr. Lau has been manager of the antibiotic manufacturing department. He has been associated with antibiotic production since joining Parke, Davis in 1947. Mr. Lau's first position with Parke, Davis was in the antibotic pilot plant. A year later he became a laboratory section head in the antibiotic manufacturing department.

Bristol Appoints Greer

H. Harrison Greer has been appointed to the special products division of Bristol Laboratories, Inc., Syracuse, N. Y. Mr. Greer was formerly with Greer-Cook Products Corporation. His headquarters will be at Bristol's executive offices in New York.

Bids Wanted

Drugs and chemicals, Contracting Office, Naval Shipyard, Phila., Pa., 4,536 lbs. hydrochloric acid, 2,457 lbs. nitric acid, 5,671 lbs. sulphuric acid, 1,800 lbs. ammonium hydroxide, 1,449 lbs. perchloric acid, 252 lbs. phosphoric acid, 207 cs. 1,863 No. 06 bots., inv. N W 50/8007, July 24; Purchase Branch of Q M Office, Fort Bragg, N. C., 75 tons rice grind filter alum aluminum sulphate, inv. ENG-2, Aug. 4; Bureau of Reclamation, Big Horn Dist., P. O. Box 839, Cody, Wyo., 600 gals. ammonia water, inv. 601-D-4324, July 29; Purchase Div., Fed Supply Service, GSA, 250 Hudson St., New York 13, N. Y., 4,404 insecticide DDT aerosol bombs, inv. N Y-3B-39167 about July 25; Procurement Div., Supply Service, Veterans Adm. Bldg., Washington 25, D. C., 1,344 ¼-lb. bots. chloform for anesthesia, 4,560 1-lb. bots. chloroform not for anesthesia, 1,800 1-lb. cns. absolute ether, 30,528 ¼-lb. cns. anesthesia ether, 720 bots. ethyl chloride, 100 gm., inv. A-11, July 28; 648 bxs of 25 amps. aminophylline injection, 384 bxs. of 12 amps. calcium gluconate injection, 264 bxs. of 6 amps. estrone injection, 264 bxs. of 12 ampls. caffeine and sodium benzoate injection, 60 bots. digotonin, 5 gm. 804 bxs. lubricating dusting powder, 1½ gm., 684 5-lb. cns. lubricating dusting powder, inv. A-10, July 28; 2,304 bots. codeine phosphate tabs., 960 bots. morphine sulphate tabs., 936 bots. quinidine sulphate tabs., 480 bots. phenobarbital and belladonna extract tabs., 552 bots. phenobarbital tabs., 2,112 bots. hexavitamin tabs., 2,304 bots. glyceryl trinitrate tabs., 8,400 tubes atropine sulphate tabs., 360 bots. acetyl salicylic acid tabs., inv. A-12, July 29; 2,448 bots. methanol, 192 ¼-lb. bots. oxalic acid, 1,056 1-lb. cns. of same, 696 bots. phenol, 576 bots. potassium phosphate, 430 cns. soda lime, 1,176 bots. sodium borate, 1,152 bots. sodium carbonate, 696 bots. sodium lauryl sulphate, 192 bots. sodium nitroferricyanide, 840 bots. sodium phosphate, 576 pkgs. stearic acid, 1,320 bots. sulphuric acid, inv. A-14, July 31; 7,200 bots. dehydrated alcohol, inv. A-15, Aug. 4.

Lime, approx. 40 tons hydrated lime, Bureau of Animal Husbandry, Adm. Services Div., U.S.D.A., Washington 25, D. C., inv. BAI-14, July 29.

Paint, Contracting Officer, Rock Island Dist., Corps of Engineers, Clock Tower Bldg., Rock Island, Ill., 1,500 gals. vinyl type white primer paint, 1,430 gals. vinyl type aluminum vehicle paint, 1,500 lbs. aluminum powder, 100 gals. red lead-linseed oil paint, inv. CIVENG-3, July 24; Aviation Supply Office, 720 Robbins Ave., Phila., Pa., 18,400 gals. paint, inv. B54-352-B, July 30; Purchase Div., Fed. Supply Service, GSA, Fed. Office Bldg., 909 1st Ave., Seattle 4, Wash., 216 4-oz. tubes liq. rubber cement, 144 1-pt. cns. of same, 40 5-gal. cns. linseed oil, 132 ½-pt. cns. pigment-in-oil, 1,620 5-lb. cns. linseed oil putty, 52 12½-lb. cns. of same, 24 5-gal. cns. stain, 770 gals. paint thinner, 144 1-gal. cns. turpentine, 16 1-gal. cns. Damar varnish, 144 1-gal. cns. floor and interior varnish, 120 1-gal. conts. wax, inv. SE-C-6341-1, July 29.

Potassium chlorate, 109,300 lbs., Dallas Chemical Procurement Dist., Dallas, Tex., inv. CML-5B, Aug. 11.

Propane gas, 15,000 gal. bulk, Rocky Mt. Arsenal, Denver 2, Colo., inv. 3, Aug. 11.

Sodium thiosulphate, 100,000 lbs. crystalline photographic grade, Purchase Div., Fed Supply Service, G S A, 7th and D Sts., S.W., Washington 25, D. C., inv. 2B-16040-R, Aug. 5.

Trade Briefs

Dr. Harry V. Pifer has been appointed to the staff of the Schering Corporation's clinical research division, Bloomfield, N. J.

Dr. Alonzo M. Lands, assistant director of the biology division and head of the pharmacology section at Sterling-Winthrop Research Institute, has begun a five-weeks tour of European medical and pharmaceutical institutions.

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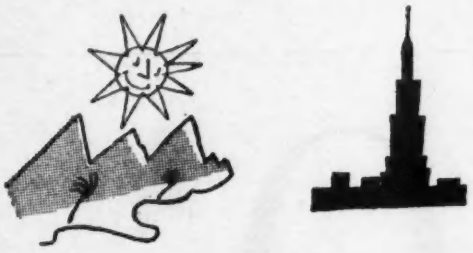
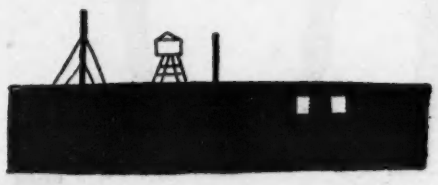
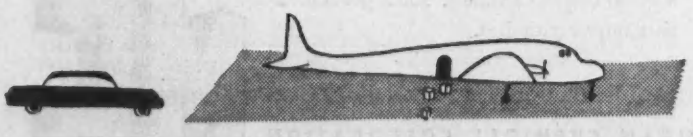


* Mid-afternoon on the coast made it past six o'clock in New York, when a California customer telephoned. He was desperate for 150 pounds of a special material by tomorrow morning. Any chance of getting it on a plane?

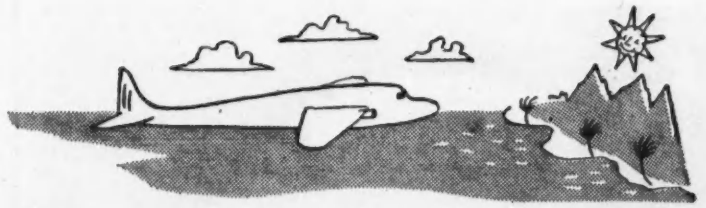


The call was taken by a sales executive still working away at his desk, although the office had been closed over an hour. He explained that the plants were shut for the night, but he'd get people on the job—if he could find them!

He called the department manager at home in northern New Jersey. The manager doubted if anything could be done, but phoned the production head, who in turn phoned the superintendent of the plant involved. He was out, but another call reached the superintendent of another branch, who was glad to tackle the job.



Five more calls were needed to track down an airline willing to take 150 pounds of air express on short notice. Then our superintendent drove to the plant, found the material, checked labels with the control chemist, packed the material, and loaded the containers into his personal car. By driving like fury from northern New Jersey to LaGuardia Field, he managed to catch the midnight plane. The material was in California at 9:30 next morning.



No, it doesn't happen every day, or our people would never get to bed on time. But it's a good sample of the out-of-the-way service we like to give when we can. When an emergency pops up, we do our best to meet the situation—you can rely on that!

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* This is a true story. It happened March 20, 1952

Botanical Drugs, Spices, Gums

Price changes in the botanical market last week weighed heavily on the down side. Changes totaled fifty-three. Of the total, fifteen were advances and twenty-four were declines. Six drug items were raised and fourteen were reduced. Nine condimental items were upped and twenty-four were down. The effect on the market index was a 3.60 points drop to 99.02, which was 17.51 points lower than a year ago and 0.98 point below the 1949 average.

Prominent among botanical drugs quoted lower were ergot, Canadian balsam fir, karaya gum, African and Jamaican ginger roots, senna pods, liverwort leaves, and passion flower herb. In condimental items, price reaction downward was featured in some cassias, clove spice, Indian celery seed, Dalmatian sage, and Spanish paprika, in additional to numerous other but minor reductions.

Featured in the drugs showing advances were deer tongue, squaw vine, and yerba santa leaves, plus prince's pine and pulsatilla herb. These changes resulted from the disappearance from the market of offerings made recently at considerably lower levels. Condimentals prominent for price strength were the very scarce green cardamoms, cassia buds, French celery seed, black pepper, and Dutch as well as polish poppy seeds.

The domestic primary market reports fair sized additions to new crop stocks despite the generally lower average of prices posted this year to the workers. Purchases at primary market warehouses are fairly satisfactory in volume regardless of the fact that collectors as a whole are not pushing the workers very hard. The cautious buying of new crop reflected the not too active interest displayed by consumers at this time. Caution in buying is so general among collectors that it is more than possible that shortage of warehouse stocks is likely if demand should broaden substantially next winter. If demand remains at current volume, then no shortage in stock is expected.

Market Trends

Prices Advanced

Drugs

Deer tongue leaves, 5c. per lb.
Prince's pine herb, 5c. per lb.
Pulsatilla herb, 7c. per lb.
Queen of the meadow, 5c. per lb.
Squaw vine leaves, 7c. per lb.
Yerba santa leaves, 4c. per lb.

Other Articles

Cardamom, green, Alleppey, 10c. per lb.
Ceylon, 10c. per lb.
Cassia buds, 3c. per lb.
Celery seed, French, ½c. per lb.
Mustard seed, Dutch yellow, 2c. per lb.
Pepper, red, Mombasa, 2c. per lb.
Poppy seed, Dutch, ¾c. per lb.
Polish, ½c. per lb.

Prices Reduced

Drugs

Ergot, $1.25 per lb.
Fenugreek seed, Moroccan, ¼c. per lb.
Tunisian, ¼c. per lb.
Fir balsam, Canadian, $2 per gal.
Ginger, African, spot, ½c. per lb.
Jamaican, No. 2, 3c. per lb.
No. 3, 2c. per lb.
Karaya gum, No. 1, 4c. per lb.
No. 2, 7c. per lb.
No. 3, 7c. per lb.
Liverwort leaves, 5c. per lb.
Passion flower herb, 4c. per lb.
Senna pods, 10c. per lb.
Witch hazel leaves, 1c. per lb.

Other Articles

Cassia, Batavia, longstick, 1c. per lb.
shortstick, 2c. per lb.
China, Canton-Kwangsi rolls, ½c. per lb.
Saigon, broken, ½c. per lb.
Celery seed, Indian, 6c. per lb.
Clove, Madagascar, 5c. per lb.
Zanzibar, 3c. per lb.
Coriander seed, Morocco, spot, ½c. per lb.
new crop futures, ¼c. per lb.
Cumin seed, Moroccan, 1c. per lb.
Syrian, ¼c. per lb.
Laurel leaves, Turkish, ¼c. per lb.
Mace, Siauw No. 1, 1c. per lb.
West Indian, broken, 4c. per lb.
Marjoram, Bohemian, 1c. per lb.
Chilean, 1c. per lb.
Mustard seed, English yellow, 1½c. per lb.
Nutmegs, West Indian, 1c. per lb.
Paprika, Spanish, 2c. per lb.
Pepper, black*, spot, 2c. per lb.
red, Turkish, 1c. per lb.
Sage, Cretan, ½c. per lb.
Dalmatian, 2c. per lb.
Greek, ½c. per lb.
Turkish, ½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	July 20, 1951
99.02	102.62†	....	116.53

* Obtained too late for index calculation.
† Revised.

(For Current Prices see Page 9)

Balsams

Fir—Canadian balsam on spot continued to decline, and late last week reached the basis of $34 to $35 per gallon. This price shaped up with prevailing costs in the primary market. Oregon balsam remained at $2.35 to $3.25 per gallon as to supplier.

Peru—For one week, at least, prices remained unchanged. The market was $1.50 to $2.15 per pound, as to seller, and the position seemed to be slightly steadier under the lessening of local competition for the time being. The future of the market was still not easy to define and, for the most part, conditions remained favorable for buyers.

Beans

Vanilla—Demand remained but moderately active and was insufficient to effect price improvement in local circles. Competition for business was keen, in keeping with the at present restricted interest of manufacturing consumers. Local quotations lacked open change, but, according to seller and quality of merchandise offered, might be subject to shading at times. Foreign market prices seemed well supported.

Berries

Juniper—Competition played little part in business last week because of the fact that the replacement market showed a strength beyond what might be expected from the recent volume of business done in goods to come forward. The strength abroad stems from low stocks of high quality merchandise. Hence, spot prices held very firm.

Imports Detained by FDA

Week Ended July 11

New York

Cassia, 4 lots, 411 packages: insect filth.
Cloves, 2 lots, 196 bags: filthy.
Coriander seed, 3 lots, 867 bags: filthy.
Cumin seed, 4 lots, 541 bags: filthy.
Mace, 2 lots, 28 cases: insect filth.
siftings, 27 cases: live and dead insects.
Marjoram leaves, 100 bags: filthy.
Nutmegs, 3 lots, 535 bags: moldy and wormy.

Flowers

Clover—Although new crop collections have not become swollen, it was felt that sufficient stock would be accumulated at a fair cost to provide flowers in quantities required and at reasonable prices to the manufacturing consumer.

Elder—Prices offered workers seemed to be fairly satisfactory to them and it was felt last week that consumers would be well protected in their requirements this year, especially those who have made their needs known to collectors.

Saffron—The market was somewhat steadier, and although the current demand was sporadic and usually for limited quantities of Spanish flowers, still holders of spot stocks were not disposed to try price reduction as a stimulant to the takings of buyers.

Gums

Benzoin—Not very active at this time, benzoin gum seemed to be slightly easier and obtainable at prices which occasionally shade the open market quotation of 38c. to 44c. per pound. A considerable difference in quality exists on spot.

Karaya—Replacement costs have gone down, carrying spot quotations to lower levels on spot good that actually show a loss when sold as follows:—No. 1, 40c. per pound; No. 2, 30c.; No. 3, 23c. However, based on the current replacement prices at the origin, a case for sales at the above prices can be made, according to some importers.

Herbs and Leaves

Deer Tongue—Elimination of some low priced stock on spot caused a nominal advance to 42c. to 43c. per pound when the market came up to levels previously quoted in some quarters.

Laurel—Turkish material was a small fraction lower at 10¼c. to 10½c. per pound. Other kinds lacked change.

Liverwort—Quotations were lower at 65c. to 66c. per pound and new collections were said to cost dealers somewhat less than they did a year ago. Conditions favored buyers.

Marjoram—Bohemian material was sub-

For Late Market Developments, See Page 4

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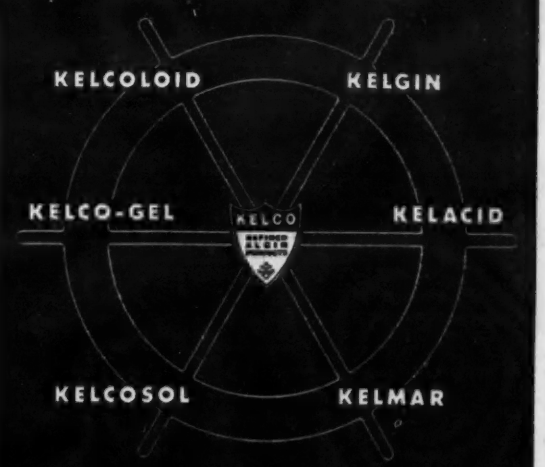

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ject to more competition and quotations were shaded to 20c. to 21c. per pound. Chilean was subject to the same condition and dropped to 20c. to 20½c.

Passion Flower—With a fair prospect prevailing for new crop collections at less cost than a year ago, spot quotations have been reduced to 21c. to 22c. per pound.

Prince's Pine—Spot quotations were up to 60c. to 61c. per pound, following the elimination of price competition previously offered at 58c. in the spot market.

Sage—Cretan, Greek, and Turkish leaves were fractionally lower at 12c. to 12½c. per pound. Prices on other varieties developed no change but they were easy in a dull market.

Senna—Pods were reduced further, first to 25c. and then to 20c. per pound under the influence of substantial spot competition. Leaves remained unchanged but were still under selling pressure induced by continued competition to move goods bought at more favorable prices at the origins.

Squaw Vine—Quotations at 45c. to 46c. per pound were an advance from the previous level of 38c. at which competition had offered goods. Such merchandise has been taken out of the market and, hence, values have reverted to a higher level.

Witch Hazel—Quotations were shaded to 19c. to 20c. per pound as the new crop drew into sight and some idea was gained with respect to probable export needs this Fall.

Yerba Santa—The item on spot became minimum at 32c. to 33c. when goods formerly available at 28c. were taken out of the local market.

Miscellaneous

Ergot—Though some thought price declines abroad had ended, it proved otherwise last week and replacement became available at prices permitting a spot quotation to develop on the much lower level of $4.50 to $4.75 per pound. Such was the open market quotation on spot but what could be done with an attractive and firm order in hand was another matter. Market conditions, for the first time over a long period, were more favorable to buyers than to sellers and above prices might be shaded 25c.

Roots

Arrow—Powder was still well stabilized on the basis of 11c. to 14c. per pound. Consumer undertakings continued normal in volume and sufficient stocks in the hands of importers kept deliveries on a prompt, satisfactory basis.

Cohosh—Outlook for black cohosh root new crop collection seemed satisfactory unless buyers' requirements shall be considerably larger than has been estimated to this time. Prices were steady last week.

Echinacea—The market still lacked anything like normal stocks and a nominal price at 90c. per pound seemed to mean little. Later in the season, collections may be sufficient to restore firm prices in all markets.

Senega—Price declines appeared to have stopped. The source no longer pushed root actively on the market, deeming prices now obtainable as entirely unsatisfactory to primary market dealers. Locally, $1.40 per pound was quoted and maintained throughout the past week. Some felt that the next important move in prices might be upward.

Seeds

Cardamom—Reports from the origins stated that stocks of green cardamom seed was in low supply and that prices were rising. On spot, the quotations were raised to $2.10 to $2.15 per pound.

Celery—French seed was quoted at 36½c. per pound, a fractional rise in price. Indian seed, soon due in this port, was offered at 28c. to 29c. per pound but buyers were not ready takers, looking for further decline.

Coriander—Moroccan seed actually on spot was lower at 6c. to 6½c. per pound. New crop, probably now afloat, was shaded too 5½c. to 6c. Other varieties of coriander showed no change.

Fennel—Dark Czech seed became nominal at 20c. per pound. Some French seed in future position was offered at 23c. Syrian seed was also in nominal position at 24c. The above offering of French seed was the first to be made on a firm basis over a long period of time.

Fenugreek—Quotations were reduced ¼c. per pound, making the market 5¼c. and still subject to considerable competition.

Mustard—Dutch yellow was advanced to 10c. to 12c. per pound, and sellers were rather reserved. English yellow was down to 12c. to 15c. per pound, prevailing as to quality and moved not too fast at the more favorable price. Reports concerning Montana seed said crops were in satisfactory condition. Good rainfall on June 27, creating satisfactory subsoil moisture at that time. A good average yield is expected at this time unless unforseen, adverse conditions develop between now and harvest.

Poppy—Dutch and Polish seed were advanced, the former to 15¾c. to 16c. per pound, and the latter to 14½c. to 15c. Other varieties appeared to be strictly nominal price position.

Spices

Cassia—Batavias and China cassias eased slightly in price following the recent sharp rise. Batavia longstick became 18c. to 19c. per pound last week, and shortstick was down to 16c. to 17c. Canton-Kwangsi rolls were fractionally lower at 22c. to 23c. Broken Saigon was also reduced, becoming 32c. to 38c., according to seller and quality.

Clove—Relief from extremely short supply brought prices down last week. Madagascar spice becoming $1.25 and Zanzibar spice falling to $1.27. No weakness at the origins was reporteed.

Ginger—All varieties were unsettled, inclined toward price weakness and subject to the smallest kind of demand in order that buyers might assist the downward trend of prices. Spot African root was down to 14½c. to 15c. per pound. Jamaican No. 2 on spot fell to 20c.; futures to 19c.; No. 3, spot, down to 19c. and futures to 18c. Rhattoon became available on spot at 18c. Nigerian root did not change, but was weaker.

Mace—Siauw No. 1 was shaded to 88c. to 89c. per pound and broken West Indian was lowered to 64c. to 65c. Some of the recent price strength was thus abated.

Nutmeg—Only West Indian material changed price and quotations were shaded to 32c. to 36c. per pound, as to seller and quality.

Paprika—Spanish pepper lost some of its high gloss, which in the previous week sent prices to 34c. per pound. Under competition last week they were shaded to 32c. to 36c.

Pepper—Active trading emphasized the relative tightness of spot stocks for immediate or July delivery. Furthermore, the fairly large June shipments are not expected to provide a surplus of arrivals at least to the middle of August. Strength in India was added influence in the developing market strength. Shipping point stocks in India have been kept down by the monsoon, which interfered with stocks moving from the interior to the export points. Indonesia showed no interest in selling August shipments, and the appearance of Lampong pepper here is unlikely until late this year. Spot white pepper has become very scarce.

Friday quotations on black pepper were as follows:—Spot, $1.83 per pound; afloats, $1.65 to $1.80; July shipment, $1.63; and August shipment, $1.55.

Trade Briefs

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Essential Oils, Other Aromatics

Last week found the essential oils and aromatic chemicals market in the midst of the summer lull. With many of the usual consumers closed for vacations, the demand for material was very light. This was added to the rather mild interest which has been shown in the past several months, leaving the market temporarily in a slump. Observers in the industry were of the opinion that the end of the summer would bring renewed interest in this market. Price changes during the past week were limited to two advances, including clove and Dalmatian sage oils, and a single reduction made in the price of coriander oil. These changes resulted in an advance of 0.13 point in the price index which was 179.95 for the week.

Clove oil showed a sharp advance in price last week, quite in keeping with predictions of the trade for the past several months. The price was currently many times that which might be called normal and observers foresaw only further advances or a complete depletion of stocks. Supplies of buds for distillation were extremely limited and priced so high as to make the profitable sale of oil an impossibility at ceiling prices. No real relief was expected in the market for the next several years, since the current crop was reported to be smaller than the last. Only the presence of the less expensive clove leaf oil helped to ease the difficult situation to some extent. Producers of the derived eugenol have, in many cases, been able to use this substitute in their formulations.

The new mint crops were awaited and should be ready within the next few weeks. Demand for spearmint oil has been unusually high during the past few months and the situation was made difficult by the small carryover from the last crop. This year a larger supply was expected to ease the tightness.

Market Trends

Prices Advanced

Clove oil, $1.50 per lb.
Sage oil, Dalmatian, 70c. per lb.

Prices Reduced

Coriander oil, 50c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	July 20, 1951
179.95	179.82	....	211.28

(For Current Prices see Page 9)

Essential Oils

Abies Siberica — Although Russian sources were not too dependable for future supplies, there appeared to be a fairly good supply of this oil available on the spot market. Dealers have been offering it at rather attractive prices, which ranged for a low of $3.30 to $4.25 per pound. The demand has been light in recent months.

Apricot Kernel—This market was quiet and untroubled. There were large quantities of oil available and replacements were obtainable when needed. Prices remained fairly low at 48c. to 70c. per pound.

Anise—It has been indicated that this item was steadily gaining strength on the spot market in the face of an impending shortage. Spot stocks have diminished to a great extent and replacements were virtually unobtainable. There remained a few offers at prices as low as $1.90 per pound, but the more general range of quotations was at $2 to $2.35 per pound. The demand has been fairly good, although some customary users have now turned to anethol as a substitute, since that material was readily available at considerably lower prices.

Bergamot—It has been reported in recent weeks that offers have been made a bit more freely from the Italian Consortium for supplies of this oil. However, on the spot market, there continued to be a rather strong situation. Stocks were very limited and prices remained at the high level of $15 to $16.50 per pound. Since these prices were still more than three times that which might be considered normal, many users were inclined to show more interest in the artificial oil, which was available in ample supply at prices of $2.90 to $5.25 per pound.

Bois de Rose—While there have been indications from the origin of a weakening in the primary market. This has not become evident in the spot market, however, and prices remained quite stable at $4.15 to $4.70 per pound. Supplies on the local market remained ample and a steady demand was indicated.

Camphor—This market has been rather quiet in recent weeks. Fairly attractive prices were asked for stocks and it was believed that the ease of the situation was influenced by the abundance of artificial camphor oil, which has become very plentiful and quite a bit lower in price.

Caraway—There has been no change in this market. Stocks were quite plentiful and replacements could be had whenever needed at steady prices. The demand has not been too great, although customary users continued to take their normal requirements. Spot quotations held steady at $3.75 to $4.75 per pound.

Celeryseed—This market was rather favorable to the consumer. There were plentiful stocks available and prices remained at $16.50 to $21 per pound. Replacement of seeds was said to be easily accomplished and quotations from the origin were attractive. Demand was not great, although a steady call came from usual consumers.

Citronella—The picture of this market was not entirely clear last week. Despite the large supply available on spot and the recent shipments of low priced oil, the spot price was said to have shown signs of slight firmness, based on the cost of material purchased several months ago. While the range of quotations has not changed, the downward trend of prices appeared to have been checked. With the market so favorable, there has been a great deal of interest shown by consumers, particularly in the case of the Java-type oil.

Clove—Last week brought a sharp rise in the price of the bud oil on the spot market. It was advanced some $1.50 per pound to range from $7.25 to $8.50 per pound. It would appear that there was no limit to the height these prices might attain. The majority of dealers have simply withdrawn from the market for lack of material and because the cost of distillation would far exceed their price ceilings. Demand has been discouraged by the high cost and many users have switched to the leaf oil, which could be had at prices of $1.75 to $2.90 per pound.

Coriander—Although the general market situation of this oil remained unchanged, one dealer was able to offer it at $23 per pound, which was 50c. per pound lower than the previous minimum quotation. The price decline was merely a competitive move and did not actually reflect the primary market. Spot stocks were adequate and could meet the current demand, which was none too great.

Dillweed—The seasonal pick-up in demand has materialized and it was being met without difficulty from the large stocks which dealers have carried since last year. Prices remained at the low level of $3.60 to $4.05 per pound. It was reported that there would be enough oil available to cover the summer requirements before the next crop becomes ready later in the season.

Eucalyptus—Except for the important Australian oil, there were good offerings of this material from the various sources. On the spot market the stocks were not too large. However, the heavy consuming season was still some time off and there was no immediate need for new material. Nevertheless, dealers were anxious to make arrangements for the importation of new stocks as early as possible. Spot quotations remained unchanged.

Garlic—A good supply of this oil was available on the spot market and there was little need for replacement at this time. Small quantities are normally required and these could be had when needed. Prices were fairly stable at $6.50 to $8 per pound.

Geranium—This market was without special feature. Bourbon oil was in good supply and prices remained at the comparatively easy level of $13.50 to $17.50 per pound. The replacement market was untroubled and a rather good volume of business was being done. A limited amount of Algerian oil was available, but it was of minor interest at present since it was priced above the more plentiful Bourbon material.

Lavandin—Prices for this French oil remained rather low at $2.80 to $4.50 per pound. Supplies, which were built up early in the year, continued to be comfortable and small interest was shown in the replacement market. Trading was not very active and the situation was untroubled.

Lavender—The situation continued to exist wherein the spot quotations for the

For Late Market Developments, See Page 4

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flower oils was lower than prices asked for new material in France. The stocks on hand were reported to be quite large, allowing dealers to maintain a good deal of independence with regard to offers from abroad. Prices were rather easy throughout the local market. Spanish spike oil was fairly steady at $1.50 to $2 per pound. Stocks were large and demand routine.

Lemon—Domestic oil remained in a strong position, there being a very limited amount available to cover the rather large demand of consumers. The available supply was priced quite firmly at $5.85 to $6 per pound, depending upon producer. There have been conflicting reports on the position of the Italian oil. While the highest quality oil was very firmly priced at the top of the price range, which extended to $10.75 per pound, it has been reported that some weakening was evident in quotations made from the source. This has not yet been reflected in the spot market, although a few offers were made at the minimum quotation of $5.85 per pound.

Lemongrass—The recent firmness which was reported in this market was still to be seen. There have been a number of slight upward adjustments in the pricing of the material. However, the range of quotations remained unchanged at $1.35 to $1.50 per pound. Observers believed that the recent strengthening of the primary market resulted from the large interest which was shown by buyers. Spot stocks were currently large and importers were able to maintain some independence with regard to shipping prices.

Mace—This market remained very easy in keeping ith the primary market which could offer ample replacements at low prices. The spot market ranged from $3.50 to $5.25 per pound. Demand was not too great and dealers could meet any orders without difficulty.

Nutmeg—Like the related mace oil, this was an untroubled market. Supplies of both West Indian and East Indian oils were readily obtainable on the spot market as well as at the sources. Prices remained low and attractive to the consumer. East Indian oil could be had at $3.75 to $4.50 per pound and the West Indian variety was available at $3.40 to $4 per pound.

Orange—It has been reported that there has been some easing in the Floridian oil market during the past several weeks. Pricewise, the material remained unchanged at $1.80 to $2.25 per pound. However, offers have been a bit freer and there was the possibility that quotations might be shaved a bit. The Californian oil continued to be quite firm at $1.80 to $2.75 per pound, according to brand.

Patchouli—Continuing to be dormant, this item did not arouse much interest among consumers. The weakness has been present in this market for many months and prices remained at the low level of $7.25 to $14.75 per pound. Dealers were not particularly interested in making replacements, since most of them held large stocks which have not been moving.

Peppermint—New crop was close at hand, making for a rather weak situation on spot, where there remained some fair sized carryover stocks. Prices continued at the reduced level established the previous week. The crop appeared to be in good condition, although plantings this year fell short of the 1951 crop.

Sage—A slight recovery was made in the price of the Dalmatian material, which had declined in recent weeks. The minimum quotation last week stood at $10.20 per pound. This was 70c. per pound higher than previously quoted. Stocks were rather good but demand was limited. A good deal of interest has been shown in the Spanish variety, which was priced considerably lower at $1 to $1.40 per pound.

Spearmint—With demand recently increased and carryover supplies extremely limited, this was one of the firmest spots in the market. Prices were quoted at $8.25 to $9 per pound, considerably higher than what might be considered normal. The new crop was not quite ready for market, but it has been reported that much of the new material has already been contracted for. In order to alleviate the tightness of the material, there have been some recent shipments of small quantities from Japan. Nevertheless, the demand was found to exceed the available supply. The new crop was expected to be slightly larger than last year, but this will not be ready for some weeks to come.

Spruce—No change has been reported in this market. There were some offerings from the country, but prices asked for new material were found to be rather high. Distillers have claimed that cost of production made necessary the increase in quotations. On spot, the article was steady and firm at $2.10 to $2.50 per pound.

Aromatic Chemicals

Acetophenone—There was a comfortable supply of this material at the present time, according to producers. They have had no difficulty maintaining a steady rate of production, basic materials

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being readily obtainable. Demand has been moderately good and prices held at a firm level of $1.35 to $1.85 per pound.

Anethol—No change has been evident in this market. The demand continued to lag, while stocks held by manufacturers remained large. Production was easily accomplished. As the natural anise oil stocks dwindled, producers of this substitute foresaw an increase in demand. Prices remained favorable to the consumer at $1.27 to $1.60 per pound.

Anisic Aldehyde—This market remained rather dormant. There has been little activity in the market for over a year. A steady call was reported from some quarters, but the heavy demand which was seen several seasons ago has not been repeated. Supplies have been built up to a large size and offers were made quite freely at prices of $2.45 to $2.80 per pound.

Citral—Continuing to be a favorable item, this aromatic was readily available at prices of $4.15 to $4.55 per pound. The recent importations of lemongrass oil in large volume at low cost has made it possible for producers of the derivative to offer it in good quantity at comparatively low prices. Demand has been rather good.

Coumarin—A steady market situation was reported for this material. There were sufficient stocks available to cover the needs of consumers and production was well-maintained. Prices ranged from a single offer at $2.94 per pound to the more general price level of $2.95 to $3.15 per pound.

Heliotropine—Conditions in this market were untroubled during the past week. Stocks have been quite ample with production readily accomplished. Sales were reported to be moderate and prices remained easy at $3.10 to $3.45 per pound.

Ionones—The abundance of lemongrass oil, which has been obtainable at the lowest prices in a number of years, has made possible a good supply of these aromatics at attractive prices. The demand has been rather active and all orders were readily filled.

Isoeugenol—Although there was a serious shortage of clove buds and clove bud oil, production of this derivative was made possible by a good supply of clove leaf oil which was priced considerably lower. Thus, it was possible for producers of the aromatic to offer it at a price of $3.70 to $4.40 per pound. It was reported by the Tariff Commission that the output of the chemical during 1951 amounted to 49,000 pounds.

Methyl Cinnamate—This market was without special features. Stocks were adequate to meet the needs of consumers and production was steady. Prices held unchanged at $1.43 to $1.80 per pound. The 1951 production of this chemical was reported at 55,000 pounds, while sales totaled 50,000 pounds.

Mellon Institute to Study Standardization of Spices

Mellon Institute, Pittsburgh, Pa., will soon start studies on methods of setting more uniform standards for natural spices, according to an announcement by its president, Dr. Edward R. Weidlein.

The work will be conducted under a fellowship placed by the American Spice Trade Association. Dr. Weidlein explained that the long range program will aim at establishing laboratory testing methods for standardizing types and grades of spices, herbs and seeds.

Dr. Leo W. Ziemlak, a specialist in organic chemical analysis, has been appointed to head this research. A member of the institute since 1946, he was an instructor in chemistry at Clark University previously.

Fritzsche Bros. Issues Price List

Fritzsche Brothers, Inc., New York, has issued a new wholesale price list. Copies are available from the company at 76 Ninth avenue, New York 11, but are limited to those whose purchases are in wholesale quantities.

Trade Briefs

Dr. Bernard L. Oser, director of Food Research Laboratories, Inc., Long Island City, N. Y., is traveling abroad.

Richard M. Holsten, director of sales promotion and publicity of the Erno Laszlo Company, has resigned.

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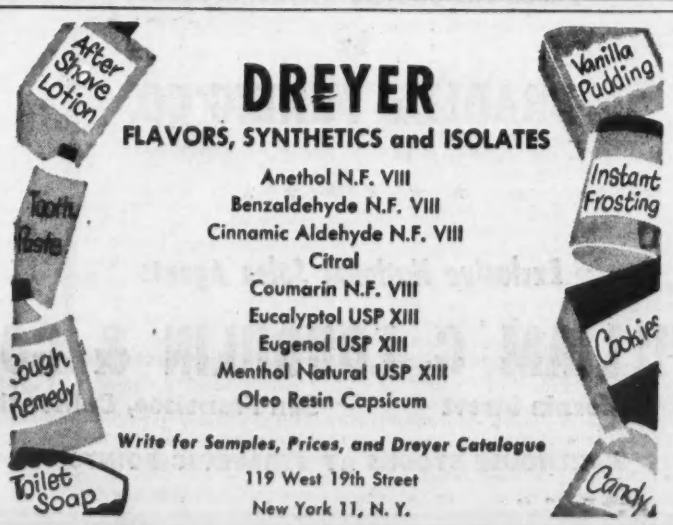

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Protective Coatings Materials

Argentine casein was higher in price last week, having been influenced largely by import regulations in this country and export regulations at the source. Vermilion red was lower. Other materials in the protective coatings market remained fairly constant as the hot summer weather as well as vacation shutdowns in various consuming industries brought about some slowness in overall demand.

In the prime pigments section, acetylene black continued to move at what were regarded as good levels. A little easing was noted, but that was not regarded seriously at this time of year. Pure iron oxides were in a fairly good position, with no recent falling off. Lead pigments held steady on price, while demand was a little slow, partly, at least, because of the season. A recent improvement in demand for zinc pigments had put the overall picture up to a fairly good level.

Opinions varying from fairly slow to good were heard regarding the demand for coumarone-indene resins. Ethylcellulose was in a fairly good demand position. Regular and hydrogenated methyl abietate continued in steady request. The first two weeks of this month showed a better demand for polystyrene than did the comparable period last month. Polyvinyl acetates and formals held to their good position of the recent past.

The gums market showed no change. Prices were about what they had been and demand was at a slow pace. Shellac maintained its position on price. Opinions on demand varied somewhat as to source. One producer termed it slow, another called it fairly good and still others thought of it as quiet and moderate. Some slowness in demand for 42 percent chlorinated paraffin was reported, as a result of easing of government orders. A pickup was expected again in the fall, however. The market for the 70 percent was unchanged. Call for chlorinated rubber was better, largely because consumers had allowed their inventories to slip and now needed immediate replacements.

Market Trends

Prices Advanced

Casein, Argentine, 1c. per lb.

Prices Reduced

Red, vermilion, quicksilver, 4c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	July 20, 1951
88.49	88.52	....	100.02

(For Current Prices see Page 9)

Prime Pigments

Black, Acetylene—Demand continued at good levels during the past week. There was some slight easing off but this was to be expected at this time of year and was not regarded seriously. Ordinarily, this item holds to a pretty steady rate of demand from year to year and slight seasonal dips, it was pointed out, have no great overall effect. Supply was strong enough to take care of the requirements of the market without pinch, while the prices held at 16c. in car loads and 20c. to 22c. in less than carloads.

Black, Carbon—The government of France has allotted $3,071,000 for the purchase of chemicals from the United States, with the allowance for carbon black, at $2,000,000, the largest item.

Iron Oxides, Pure—Demand was reported to be at about fair levels, with no recent falling off. May and June were considered fair months and so far July has shown no change. No summer effects were anticipated and any changes in conditions were expected to reflect general trends in the paint market. Supply was ample and prices were holding at their previously established levels.

Lead Pigments—Prices held steady last week, following recent fluctuations that had been evident as a result of changes in the price of the metal. Demand was not at a particularly high point, with at least a part of this being attributable to the season. Supply was adequate to handle current requirements.

Information from the Netherlands indicates that the paint industry there uses considerable quantities of white lead, which is being produced in that country in ample amounts for current requirements. This is one of the Netherlands export items, with Finland, Indonesia and Surinam among the purchasers. The Netherlands, however, has been importing some material from Belgium.

Red, Vermilion, Quicksilver—This item took a 4c. drop last week, settling at $3.58.

Zinc Pigments—Demand was said to be fairly good at this time, with a general improvement noticed recently. Although demand in the last nine months had been somewhat slow, it appeared to be improving now instead of going into the usual summer slump. Supply continued adequate for current requirements and prices held firm at previously established levels.

Synthetic Resins

Coumarone - Indenes — Depending on source, demand was running from fairly slow to good, while supply was sufficiently high to accommodate the market without any particular difficulty. It was thought that some grades might tighten as a result of the steel strike, although this was not expected to come about immediately.

Ethylcellulose—Demand was reported to be running from fair to good and supply was high enough to accommodate it without trouble. There were no changes in the price structure.

Methyl Abietate—Regular and hydrogenated continued in a steady demand position during the past week. Increases were expected later in floor tile use, it was said. Supply was strong enough to accommodate the requirements of the market and there were no changes in the price structure.

Polystyrene—Demand was said to be at good levels at the present time. It was said to have been better in the first two weeks of July than it was in the comparable period in June. Supply was good and prices were holding at their previously established levels.

Polyvinyls—Acetate resins were said to be in pretty good demand right now, with interest looking up. Demand for this full year, it was said, will probably not equal that of 1951, although it will still be good. July sales, so far, are ahead of June and June sales were far ahead of May. Demand was said to be pretty well distributed through all the consuming industries. The adhesives industry, a heavy buyer, was reported to be moving well and taking considerable amounts of resin. Supply was adequate and there were no difficulties anticipated. Prices were without change.

Formals were in about the same position as the acetates. Use in wire insulating enamel, one of the big outlets for this material, was at a good point, since there are seldom any wide fluctuations in demand from that source. Supply continued adequate for demand and prices held at previously established levels.

The plastics industry in Finland, according to reports from abroad, was fairly well supplied with raw materials last year, especially thermoplastic compounds, although there were shortages in phenolics and polyvinylchloride resins. Possibilities for plant expansion and improved production methods are good, it was said, provided raw materials, machinery and replacements can be freely imported. The shortage of foreign exchange has been a principal factor restricting such imports.

Natural Resins

Demand was still running along at a slow pace for gums with the hot weather and vacation shutdowns in the consuming industries among the more prominent reasons for the slowness. However, it was pointed out that the demand was not off seriously, and the lack of interest now was what could normally be expected during the summer months. Supply was satisfactory here and at the source, although it had been pointed out several times that a sudden upswing in demand could cause a tightening which would be felt mostly by consumers who had played their inventories too close. Prices were firm here and abroad, and the feeling was that they had probably hit bottom. Aside from the fact that some ships were a little slower in arriving than they had formerly been, there were no difficulties with the shipping situation.

Gum, Copal—Figures released by the Department of Commerce indicate that Indonesia exported 627 metric tons in March, as compared to 279 in February. Value of the March exports amounted to 1,893,000 rupiahs, and the February ship-

For Late Market Developments, See Page 4

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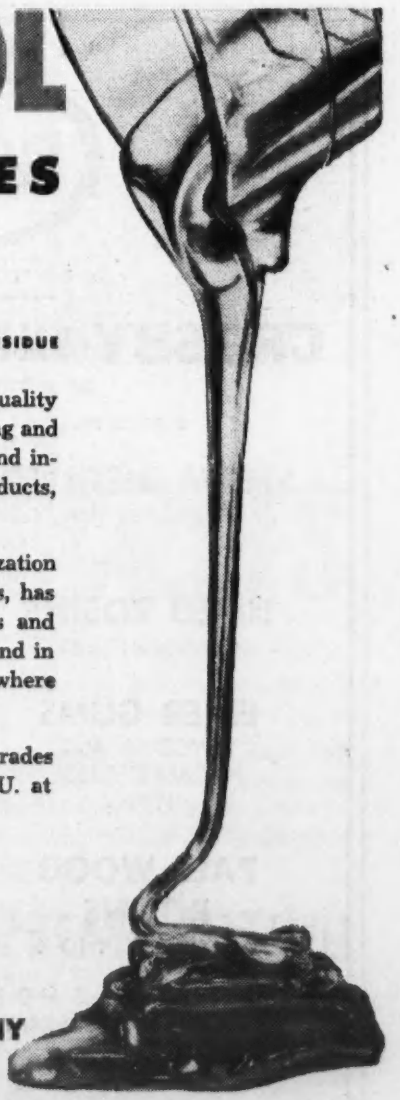

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ments to 949,000 rupiahs (11.40 rupiahs equal one dollar).

Gum, Dammar—March exports from Indonesia were 275 tons, valued at 970,000 rupiahs, as compared to February exports of 222 tons, valued at 638,000 rupiahs, according to information from the Department of Commerce.

Shellac—The market here and abroad was without radical change during the period under review. Prices held at their previously established levels and there were no indications that there would be any immediate changes. Opinions varied somewhat as to the state of demand at the present time. One source called it slow and attributed this condition to vacation shutdowns among the consumers. Another said it considered demand fairly good for this time of year, while others thought of it as quiet and moderate. A slightly easier tone was noted in the market abroad but it had not eased off enough to have any effect on the price structure in this country.

Miscellaneous Materials

Casein—Argentine material was 1c. higher in price last week, at 17½c. The reason for this strengthening was said to be restrictions by the government authorities in the United States and in Argentina. The re-establishment of import quotas by the authorities in this country, according to one source, had caused tightening in the supply and strengthening of prices. Argentine shipments of goods to this country were held up, pending a meeting of government authorities in the Argentine, whose report was not expected to be announced for some days. This made it difficult for importers to know just what they might expect in the way of material landed here.

Domestic material was without change pricewise. One importer of foreign goods said it thought the domestic import and the Argentine export situations might boost the demand for the domestic. However, a seller of domestic material said it found business still fairly slow and prices holding at their previously established levels.

The United Kingdom has decided to dispose of government-owned stocks of lactic in accordance with its policy of reducing imports from non-sterling areas, according to information from abroad. Licenses to import from non-sterling countries will be granted conditionally upon the purchases of a proportion of government stock.

Chlorinated Paraffin—The 42 per cent stood at 14c. in carloads and 14¾c. in less than carloads, while the 70 percent was at 18c. in carloads and 19c. in less than carloads. It was reported there was some slowdown in demand for the 42 percent because government orders were easing off for the summer, although they were expected to pick up in the fall. The market for the 70 percent was unchanged.

Chlorinated Rubber—Consumer inventories had been getting low recently, and that brought about a pickup in demand. Previously, however, it had been fairly slow. Supply was ample.

Glue, Hide—Production in May amounted to 4,914,422 pounds as compared to 5,349,174 in April and 6,609,026 in May a year ago, according to figures just released by the Bureau of Census. Shipments came to 3,548,246 in May, while during the previous month they were 3,549,885 pounds. In May a year ago they stood at 6,169,374 pounds. Stocks at the end of May were 19,491,016 pounds, compared to 18,124,840 pounds during the preceding month and 8,471,657 pounds during the comparable month a year ago.

Synthetic Adhesives—The following information relates to the softwood p'ywood industry and is from the latest report of the Bureau of Census. Figures represent dry basis.

Consumption

	May	April
Casein glue	[1]	[1]
Soybean glue	4,329,000	5,041,000
Urea resins glue	261,000	242,000
Phenolic resins glue	1,673,000	2,259,000
Other glues	[1]643,000	[1]757,000
Total	6,906,000	8,299,000

Stocks

	May	April
Casein glue	[1]	[1]
Soybean glue	[2]3,242,000	2,894,000
Urea resins glue	129,000	396,000
Phenolic resins glue	1,798,000	1,422,000
Other glues	[1]506,000	[1]481,000
Total	5,735,000	6,103,000

[1] Casein combined with "Other" to avoid disclosing figures for individual companies.
[2] Estimates do not exceed 15 percent.

Naval Stores

Portugese producers of naval stores face a difficult marketing situation, according to reports from abroad. Because of the base export price and the ocean freight

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rates, the market has been confined to Europe and competition in other areas such as South America has not been possible.

Sales of naval stores in Canada were slow in the first quarter of 1952 and the volume of business lagged considerably behind sales in the corresponding period of 1951, it has been reported. The situation was in sharp contrast to conditions in the first quarter of 1951, when demand was heavy and supplies were short. However, distributors believe that 1952 will be a satisfactory year.

Oil, Pine—This item has been available in Canada in sufficient quantities to meet demand, which is at present running high. This was in contrast to conditions at the end of 1951, when the material was still scarce.

Rosin—The United Kingdom and Germany continued in 1950 and 1951 to be the principal destinations for exports of Spanish material, according to reports from abroad. However, other European countries, including Norway, Denmark, Sweden and Italy, were also major outlets.

The United States supplied 19,388 hundredweight of Ireland's total imports of 26,380 hundredweight of rosin in 1951. Values were £81,623 and £105,935, respectively.

Turpentine—The United States was the source of the bulk of Ireland's imports of this material during the past year, it has been reported. Ireland brought in 182,644 imperial gallons, valued at £78,010. Of this, the United States accounted for 181,746 gallons, valued at £77,495.

Rosin, Gum

(USDA, per 100 lbs.)

	Fri.	Mon.	Tues.	Wed.	Thur.
K	7.24*	7.25*	7.23*	....	....
M	....	7.225*‡	....	....	....
N	....	....	7.23*	....	....
WG	7.34*	7.35*	....	....	7.33*
WW, X	7.46*	7.45*	7.46*	....	7.45*

Sales, USDA

816* 735* 630* 1,387*

Savannah Exchange (per 100 lbs., dms.)

Receipts	1,126	365	122	22	142
Shipments	....	....	....	54	....
Stocks	11,359	11,724	11,846	11,814	11,956

New York

(per 100 lbs., c.l., Friday)

B-N, $8.25; WG, $8.35; WW, X, $8.45.

Rosin, Wood

(USDA, per 100 lbs.)

FF	....	6.50*	6.50*	4.31*	6.17*

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price	....	....	.548	.545	.538
Sales	....	....	3¶	1†	8.000‡

Savannah Exchange (dms.)

Receipts	402	747	60	196	171
Shipments	197	100	26	246	97
Stocks	10,799	11,446	11,480	11,430	11,504

New York, Friday, per gal. 7 lbs., tankcars, 62c. l.c.l. 72c.

Turpentine, Wood, Steam Distilled

(USDA, per 7 lb. unit)

.49 .49 .49 .49 .49

* Drums. † Tankcars. ‡ Bags. ¶ Carlots. § Gallons.

Goodyear Offering New Styrene Butadiene Latex

The Goodyear Tire & Rubber Company, Akron, Ohio, has introduced a styrene butadiene type latex, known as "Pliolite Latex 160," which is said to be designed specifically for the paint industry. The material is reported to exhibit excellent filmforming and pigment-binding characteristics. The product is batch blended to insure optimum uniformity, and thus particle size and particle size distribution are maintained throughout all lots of the latex, Goodyear states.

Oils Agency Formed

Tasley, O'Neill, Kerry & Conklin, Inc., has been formed as a concern of brokers and agents of vegetable, animal and fish oils, fats, cakes and meals. The company has offices at the Empire State Building, New York, and at 540 North Lake Shore Drive, Chicago. New York and Chicago telephone numbers are LOngacre 3-0415 and WHitehall 3-1434, respectively.

Titanine Acquired by New Group

Titanine, Inc., Union, N. J., has announced the sale of its outstanding stock to a new group of investors. Titanine's new board will consist of Charles T. Hogan, chairman; Theodore A. J. Ward, who will remain as president, and William S. Hogan, secretary-treasurer. The new management plans to set up a national sales organization with representatives in the principal cities. Hogan Paint & Chemical Corporation, Edgemere, L. I., the parent concern, will continue its activities.

Colloidal Carbon Booklet Issued

Columbia Carbon Company, New York, has published a booklet, entitled "Colloidal Carbon: Its Properties and Uses." The pamphlet, written by C. W. Sweitzer and R. K. Estelow, of Columbia Carbon, and L. J. Venuto, of Binney & Smith Company, New York, runs to thirty-eight pages, and includes a number of charts, photographs and tables.

GE Names Donald Hilliard To Quality Control Position

Donald A. Hilliard has been appointed supervisor of quality control for the General Electric Company's chemical division alkyd resin plant at Schenectady, N. Y. Mr. Hilliard was previously employed as manager of the Bristol, Pa., plant of the Nu-Enamel Corporation.

The appointee's previous experience included supervision of the formulation, testing and production of clear lacquers and pigmented and organic coatings at the United Chromium Corporation. He was also employed as engineer in charge of the chemical control laboratory of Landers, Frary & Clark, and was a chemist with the Hilo Varnish Corporation, working on the formulation and development of protective and synthetic coatings.

Wooster Brush Names Treasurer

Wooster Brush Company, Wooster, Ohio, has appointed Woodrow T. Zook treasurer of the concern. Mr. Zook joined Wooster Brush in 1947 as head cost and payroll accountant. He became assistant treasurer in 1949.

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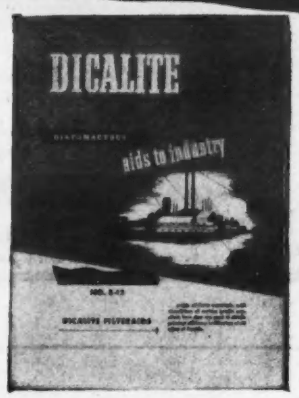

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GE Chemical Materials Post to Dr. R. H. Krieble

Dr. Robert H. Krieble has been appointed manager of engineering for the chemical materials department of the General Electric Company's chemical Division at Pittsfield, Mass.

Dr. Krieble began his business career in 1939 with Socony-Vacuum Oil Company developing a then new process for the manufacture of phenol. He joined the GE research laboratory at Schenectady, N. Y., in 1943, and in 1946 the company sent Dr. Krieble to Europe to study the German methods of producing certain plastics intermediates. When he returned he was appointed liaison representative of the research laboratory. In 1949 he was transferred to the Thomson laboratory in the Lynn River Works of General Electric, where he served successively as head of the chemistry and insulation section, assistant engineer-technical, and just before his present appointment, as engineer of the Thomson laboratory.

Cyanamid Now Offering New Oil-Modified Alkyd

American Cyanamid Company, New York, has developed and is now producing a new oil-modified alkyd resin for non-penetrating, self-sealing flat wall finishes, according to W. F. Whitescarver, manager of the coating resins department.

Sold under the trade name, "Rezyl 405-18," the resin is supplied in an aliphatic petroleum solvent selected for its solvency and "wet-edge" characteristics. It may be reduced with mineral spirits or lower solvency thinners as desired by the formulator to control vehicle solids, viscosity and solvent odor.

When properly pigmented the resin is said to produce white, pastel, or deep-tone colored paints with excellent brushing properties, color retention, scrub resistance and film uniformity. Conventional formulating practices may be followed in the selection of pigments.

Cleveland Paint Club Golf Prizes to Fifteen

The Cleveland Paint, Varnish and Lacquer Association awarded fifteen golf prizes at its second outing of the year, held July 10 at the Kirtland Country Club. Prize winning golfers were:—

Class A, R. Cameron and M. Andrews; class B, H. Anway and R. Treter; class C, S. Teague, H. Hoopes, and J. Gilbert, and class D, A. Shiverick, R. Town and S. Gridley. Winner among the guests were:—R. F. Evans, J. Dietzel, L. Shand, E. Shoenwald and W. Manring.

The next golf outing of the club will be held August 14 at the Columbia Hills Country Club, instead of at Acacia Country Club, as originally planned.

FPVPC Groups to Meet

The executive and finance committees of the Federation of Paint and Varnish Production Clubs will meet September 19 and 20 at the Marott hotel, Indianapolis, Ind. Several other committees of the federation also plan to hold meetings at the same time. While in Indianapolis, the federation committeemen will attend the September meeting of the Cincinnati-Dayton-Indianapolis-Columbus Paint and Varnish Production Club on the nineteenth.

Dickerson Changes Names

The Dickerson Company, Inc., Philadelphia, has announced that the foregoing name is the successor to the Dickerson Company, and that the proper designation for Dickersons Overseas Company has become Dickersons Overseas Company, a division of the Dickerson Company, Inc. Both companies continue with the same management and facilities.

L. A. Paint Technicians Set Party

The Los Angeles Paint and Varnish Production Club will hold its summer party August 9 at the Pasadena Athletic Club. Cocktails will be served from 5:30 p. m. to 6:30 p. m., with a steak dinner slated to start at 7 p. m. Dinner will be followed by an original revue by the Players' Ring of Hollywood.

Trade Briefs

John C. Sample has been elected to the board of General Petroleum Corporation.

Wilbur & Williams Company, Boston, has developed "Silicon Masonshield," a silicon type water repellent for use on exterior and interior masonry surfaces.

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Chemical Industry Third in Tax Aid Approvals

—Continued from page 3

percentage allowed for rapid amortization:—

Elemental sulphur—Globe Oil & Refining Company, Lamont, Ill., $182,890 certified and 70 percent allowed.

Ethylene-propylene—Shell Chemical Corporation, Houston, Tex., $227,330 certified and 50 percent allowed.

Fluorspar — Reynolds Mining Corporation, Poncha Springs, Colo., $393,481 certified and 70 percent allowed.

Hydrocyanic acid—American Cyanamid Company, Warners, N. J., $569,000 certified and 70 percent allowed.

Limestone—G. & W. H. Corson, Inc., Whitemars Township, Pa., $143,491 certified and 35 percent allowed.

Melamine resins—American Cyanamid, Wallingford, Conn., two projects certified for a total of $881,124 and 45 percent allowed.

Mononitrobenzene — American Cyanamid, Bound Brook, N. J., $500,000 certified and 40 percent allowed.

Oxygen—Air Reduction Company, Bethlehem, Pa., $286,327 certified and 50 percent allowed; a second project at Lorain, Ohio, $307,100 certified and 60 percent allowed; Acetogen Gas Company, Detroit, Mich., $79,167 certified and 45 percent allowed.

Polystyrene resins—Pathfinder Chemical Corporation, Point Pleasant, W. Va., $2,397,650 certified and 45 percent allowed.

Propane—McKamie Gas Cleaning Company, Magnolia, Ark., $40,000 certified on one part and 40 percent allowed and $75,000 certified on a second part and 45 percent allowed.

Synthetic resins—Monsanto Chemical Company, Springfield, Mass., $500,000 certified and 35 percent allowed.

Styrene—Monsanto, Springfield, Mass., two projects certified for a total of $245,580 and 45 percent allowed; a third project at Addyston, Ohio, $3 673,270 certified and 45 percent allowed; a fourth project at Long Beach, Calif., $133,120 certified and 45 percent allowed; Dow Chemical Company, Torrance, Calif., $1,723,000 certified and 45 percent allowed; a second project at Allyn's Point, Conn., $3,314.500 certified and 45 percent allowed; Catalin Corporation of America, Fords, N. J., $628,210 certified and 45 percent allowed; Union Carbide & Carbon Corporation, Marietta, Ohio, $2,722,000 certified and 45 percent allowed; Goodyear Tire & Rubber Company, Akron, Ohio $1,762,000 certified and 45 percent allowed.

Sulphur—Simpson Creek Colleries Company, Baltimore, Md., $433,030 certified and 70 percent allowed.

Vinyl resins—Firestone Tire & Rubber Company, Pottstown, Pa., $6,022.700 certified and 45 percent allowed.

In its analysis of certificate approvals through June 20, DPA said that it currently is receiving new applications at the rate of 135 per week and the cases being processed average a little better than 300 per week. Denials are on the increase, and now close to one-third of the applications are being rejected.

Analysis Breakdown

The agency made public the following breakdown of certificate approvals and pending applications for expansions in the chemicals and allied products industry group, as of June 20:—

Alkalies and chlorine—Fifty-five projects approved with an investment of $259,566,000; thirteeen projects pending with an investment of $49,399,000.

Biological products—Twelve approved with an investment of $5 905,000; ten pending with an investment of $8,922,000.

Bone black, carbon black, and lamp black—Nineteen projects approved with an investment of $31,288,000; five projects pending with an investment of $2,208,000.

Botanical products—None approved; one pending with an investment of $1,100,000.

Chemicals and chemical products, n.e.c.—Thirty-four approved with an investment of $55,162,000; eleven pending with an investment of $18,229,000.

Cleaning and polish preparations—None approved; two pending with an investment of $4 138,000.

Compressed and liquefied gases—Sixty-five approved with an investment of $97,855,000; twenty-one pending with an investment of $49,696,000.

Cottonseed oil mills—Fifteen approved with an investment of $13,099,000; five pending with an investment of $3,856,000.

Cyclic coaltar crudes—Thirty-four approved with an investment of $103,456,000; nine pending with an investment of $37,992,000.

Essential oils—One approved with an investment of $1,646,000; none pending.

Explosives—Seven approved with an investment of $2,895 000; two pending with an investment of $33,000.

Fatty acids—One approved with an investment of $588,000; one pending with an investment of $420,000.

Fertilizers, manufacturing and mixing—None approved; nine pending with an investment of $35,609,000.

Glue and gelatin—One approved with an investment of $141,000; one pending with an investment of $85,000.

Hardwood distillation—One approved with an investment of $151,000; none pending.

Industrial inorganic chemicals, etc.—Two hundred thirty-three approved with an investment of $746,845,000; seventy pending with an investment of $227,525,000.

Industrial organic chemicals, n.e.c.—One hundred, sixty-two approved with an investment of $630,377,000; seventy pending with an investment of $168,778,000.

Intermediates, dyes, color, lakes and toners—None approved; one pending with an investment of $4,275,000.

Inorganic and organic medicinal chemicals—Seven approved with an investment of $24,519,000; two pending with an investment of $2,361 000.

Inorganic color pigments — Eleven approved with an investment of $21,125,000; six pending with an investment of $9,916,000.

Insecticides and fungicides—Seventeen approved with an investment of $21,760,000; five pending with an investment of $2,735,000.

Paints, varnishes, lacquers, japans and enamels—Two approved with an investment of $3,423,000; two pending with an investment of $935,000.

Pharmaceutical preparations — Thirty-three approved with an investment of $99,277,000; eighteen pending with an investment of $89,353,000.

Plastic materials and elastomers, except synthetic rubber—Fifty-four approved with an inventment of $129,976,000; forty-eight pending with an investment of $149,587,000.

Soap and glycerin—Three approved with an investment of $2,037,000; none pending.

Soft wood distillation—Four approved with an investment of $5,239,000; none pending.

Soybean oil mills—Fifteen approved with an investment of $13,099,000; five pending with an investment of $3,856 000

Synthetic fibers—Seventeen approved with an investment of $140,072,000; twenty-one pending with an investment of $205,843,000.

Synthetic rubber—Seven approved with an investment of $16,196,000; five pending with an investment of $8,121,000.

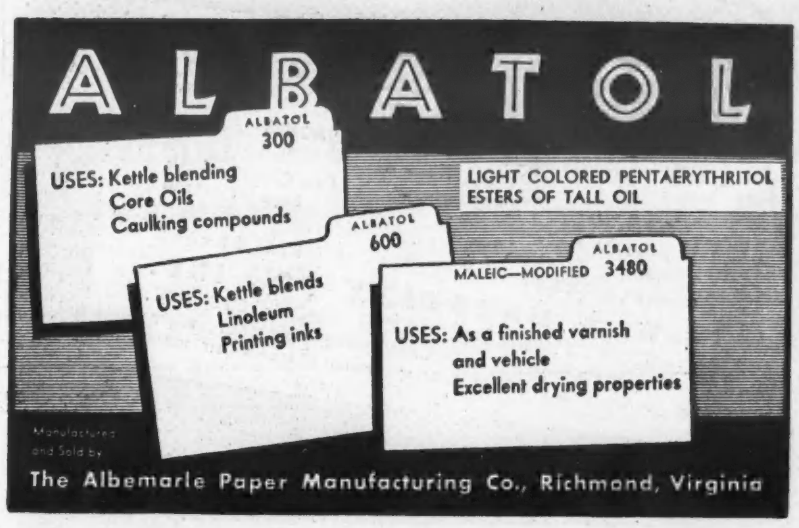
Sulphonated oils and assistants—Two approved with an investment of $3,375,000; none pending.

Whiting, putty, wood fillers and allied paint products—None approved; one pending with an investment of $683,000.

Trade Briefs

Research Company of America has moved its headquarters to new and larger facilities at 570 Fifth avenue, New York.

Raymond W. Ruddon has been appointed chairman of the Detroit Regional Renegotiation Board.



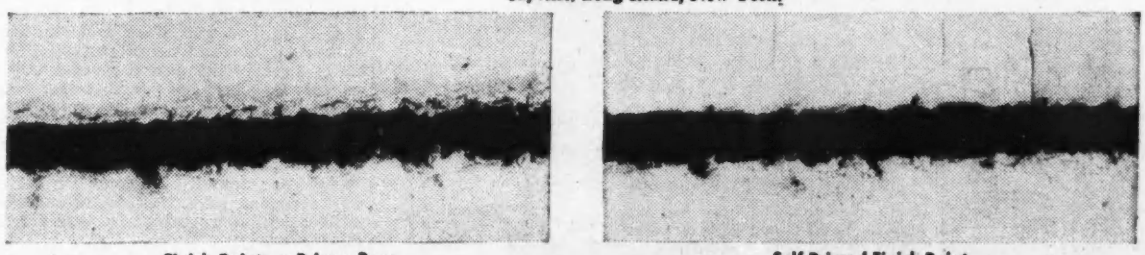
WHITE LEAD PRIME COATS improve paint systems

Weathering tests on saw-cut panels prove that white-lead-base primers, used in two coat house paint systems, improve adhesive and water resistant qualities and lengthen protective and decorative life.

The test panels show how, after one year's exposure to Long Island's erratic weather conditions, the system with the white-lead-base primer has maintained its film integrity and adhesion and that the finish coat formulation is not as suitable as a primer.

No stronger or more convincing argument can be given for using white lead pigment in your primer formulations; and certainly, no customer could ask for better proof of the protection of white lead primers in his house paint systems. For information on the most effective use of "lead" in your paints, write for "White Lead in Mixed Pigment House Paints," and "White Lead Technical Bulletin #1." *Lead Industries Association, 420 Lexington Avenue, New York 17, New York.*

In this comparative weathering test, a commercial, lead-base, finish paint, was applied, self-primed, to a cedar panel (right). The panel on the left has a topcoat of the same finish paint but it has been applied over a typical, white lead-base, multiple pigment primer. On both panels the edges were thoroughly sealed with two coats of L.I.A. primer P-4. Cross grain saw cuts were subsequently made two inches into the panels from one edge. The panels were then exposed 45 deg. south vertical at Sayville, Long Island, New York.



Finish Paint on Primer Base (MAGNIFICATION 4X) **Self Primed Finish Paint**

The photographs show the film cracking effect moisture has on the self primed house paint system as compared to the protection given by white lead base paint, formulated as a primer.

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It Resists Water . . . reduces water sorption to a small fraction of that of lead-free paints.

It Limits Oil Penetration . . . holds more of the vehicle in the film where it is needed; less in the substrate.

It Prevents Chalking and Inhibits Mildew . . . makes paint look better, longer.

L.I.A. PRIMER P-4*

Pigmentation (64.1%)	Per Cent	lb./100 gal.
White Lead	48.5	473
Rutile Non-Chalking Titanium Dioxide	15.1	148
Magnesium Silicate	35.4	345
Litharge	1.0	10
Total	100.0	
Vehicle (35.9%)	**Per Cent**	
Raw Linseed Oil	34.0	187
VM1767**	21.0	113
VM1693***	10.5	58
Blown Linseed Oil (Z-2)	5.0	27
Driers	0.5	3
Mineral Spirits	29.0	160
Total	100.0	1524

PVC=39.4%

FINISH PAINT

Pigmentation (63.1%)	Per Cent	lb./100 gal.
White Lead	35.0	336
Zinc Oxide	30.0	290
Anatase Titanium Dioxide	15.0	145
Magnesium Silicate	20.0	191
Total	100.0	
Vehicle (36.9%)	**Per Cent**	
Refined Linseed Oil	60.0	336
Bodied Linseed Oil (Z-2)	15.0	84
Mineral Spirits	22.0	124
Driers	3.0	16
Total	100.0	1522

PVC=33%

* formula from "White Lead Technical Bulletin #1."

** 60 parts linseed oil; 40 parts dehydrated castor oil, bodied to obtain a viscosity of V. Gardner 70% solids in mineral spirits.

*** 5-gal.-length, low acid number ester gum varnish cooked with dehydrated castor oil. Viscosity is B-C Gardner at 59% solids.

1478

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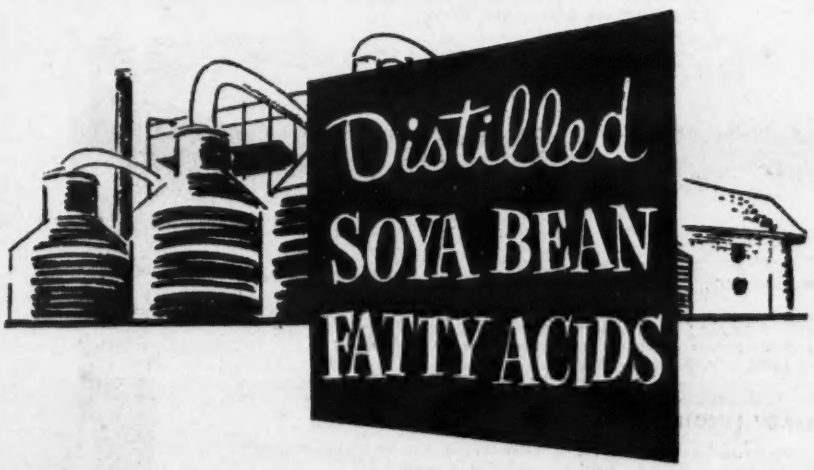

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Oils, Fats and Waxes

Buying interest for oils and fats dried up for domestic and export delivery, last week, resulting in fractional declines. Edible oil group was lower except peanut oil which was lifted 1 cent per pound. Offerings were scarce and reports that the government would not release peanuts for crushing oil until the new crop becomes available in October stiffened this market.

Increased offerings of coconut oil for shipment from the Pacific coast and quiet demand weakened the market and prices dropped 1 cent per pound. Copra also was easier, declining $10 per ton.

Price trend of greases and tallow continued downward and all grades were reduced fractionally, reflecting the weakness in the West. Domestic and export business was inactive, resulting in liberal offerings. Soapers absorbed limited quantities at the decline and withdrew from the market. This created an easier tone in industrial animal oils and quotations were unsettled and more or less nominal.

Fatty acids were easier and declined ½ cent per pound, except coconut fatty acid.

Trading in drying oils was reported practically at a standstill. The undertone of linseed oil was easy with lower flaxseed. Oiticica oil was inactive and fractionally lower. Tung oil was inactive and fairly steady for prompt delivery. Rapeseed oil was weaker and declined ½ cent per pound. Refined fish oils continued inactive and were easy, price discounts were available for carlot quantities.

There was no improvement in the quiet demand for carnauba wax last week. Consumers were out of the market and little improvement is expected in business until the reopening of many plants shut down by vacations later in the month. Beeswax was also inactive and quotably unchanged —for crude and refined grades. Ouricury wax market was irregular and quotations for spot delivery fluctuated with the cost of replacements.

Cottonseed Oil

Trading in bleachable cottonseed oil futures last week continued mixed, and market was slightly lower with crude oil. Market backed and filled and was easily influenced by fluctuations in allied markets. Late in the period market was unsettled by Korean peace talks, which brought out some selling pressure. Trade interests were buyers of September and October on a scale downward. The July option expired on the 15th with sales at 14.43c. per pound. Demand for cash oil was reported slow. Other refined vegetable oils also were inactive and fractionally lower.

More attention was given to the prospects of larger quantities of new crop cottonseed and its products being absorbed by the government under the support program. Crude cottonseed oil and linters were about 3c. per pound below the support price, while cottonseed meal is slightly above support level. This places the package (cottonseed products) well above the current market. Many in the trade are of the opinion that sooner or later the futures market is bound to reflect this situation.

Crude cottonseed oil was easier and light sales were reported at a reduction of ¼c. per pound. Trading took place at 12⅜c. per pound, tankcars, in the Valley. In the Southeast the market was quoted nominally at the same figure and at 12c. in Texas.

Sales and prices of prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended July 18 follow:—

	Sales	Cents per pound High	Low	Close
July	201	14.60	14.37	Expired
September	335	14.77	14.52	14.61S
October	317	14.86	14.52	14.69S
December	403	14.92	14.56	14.76S
March	207	15.00	14.68	14.90S
May	66	15.00	14.74	14.95@14.99

Total sales, 1,326 contracts.

Memphis.—Crude cottonseed oil 12¼c. bid and 12½c. asked for tankcars, f.o.b. mills. Crude soybean oil 11c. bid and 11¼c., same basis. Market quiet, but steady. Cottonseed and soybean meals scarce and in fair demand. Crops making good progress.

Linseed Oil

Consumer activity in this market was confined to the withdrawal of moderate quantities of oil against former contracts. Interest in future requirements continued inactive. Market developed an easier tone with lower flaxseed. Asking prices were unchanged, with sellers requesting bids.

Market Trends

Prices Advanced

Oil, peanut, crude, 1c. per lb.
ref., 1c. per lb.

Prices Reduced

Acids, cottonseed, ½c. per lb.
Soybean, ½c. per lb.
Stearic, ½c. per lb.
Tallow, ½c. per lb.
hydrog., 1c. per lb.
Copra, $10 per ton.
Greases, ¼c. to ½c. per lb.
Lard, ¼c. per lb.
Oils, coconut, crude, Pac. coast, 1c. per lb.
N. Y., ⅛c. per lb.
ref., ¼c. per lb.
Corn, crude, ⅜c. per lb.
ref., ⅜c. per lb.
Cottonseed, crude, ¼c. per lb.
ref., ¼c. per lb.
Oiticica, ¼c. per lb.
Red, ½c. per lb.
Rapeseed, ½c. per lb.
Soybean, crude, ⅜c. per lb.
ref., alkali, ¼c. per lb.
clarif., ¼c. per lb.
salad, ⅜c. per lb.
Tallow, ¼c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	July 20, 1951
101.31	101.25	....	127.28

(For Current Prices see Page 9)

Raw oil was quoted at 15c. per pound, tankcars, f.o.b. Minneapolis and 16¼c. per pound, tankcars, New York delivery.

The 1953 flaxseed goal was set at 217,000 acres for California, Arizona and Texas where flaxseed is winter grown by the Department of Agriculture. For California and Arizona the goal is the same as the crop seeded in 1952. For Texas, the goal is 170,000 acres, against 119,000 acres in 1952.

Minneapolis.—Sales of raw linseed oil were light and continued on a replacement basis, crushers reported. The unfavorable crop report issued by the government on July 10th had a mixed reaction. However, the trade generally chose to wait and see if the August 1st crop report indicates any improvement. Inquiries continued light and few sales were made at the 15c. level. Shipping directions were fair to good.

Shipments of linseed oil, in pounds, were as follows:—

	1951-52	1950-51
Past week	7,560,000	8,200,000
Since Sept. 1	363,960,000	438,680,000

Flaxseed—Trading was light and spotty. Cash seed prices were unsettled and slightly lower.

Minneapolis.—The crop report as of July 1 issued by the government estimated the flaxseed crop production at 10,000,000 bushels less than a year ago. This constitutes a serious decline but growing conditions for flax have been more favorable since the date of the report and the trade now awaits the August 1st report to ascertain whether any recovery will be made by the flaxseed crop. Flax was in the boll stage in Southern Minnesota, the early seeded crop was in bloom in the northern area while the late seeded was just emerged. Purchases of spot flaxseed at the Minneapolis market last week totaled 41 cars and about 8,150 bushels in trucklots. To-arrive bookings amounted to 15 cars and about 28,650 bushels in trucklots. The unfavorable crop report strengthened flaxseed prices temporarily, but the advance was not sustained late last week. Actual receipts of flaxseed totaled 166 cars, as against 147 in the preceding week and 59 cars in the same week last year. Shipments last week totaled 23 cars compared to none in the preceding week and 88 in the same week last year.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts 1951-52	Receipts 1950-51	Shipments 1951-52	Shipments 1950-51
Past week	283,900	117,300	35,700	153,000
Since Sept. 1	22,748,800	25,453,200	4,572,000	6,038,200

Other Vegetable Oils

Castor Dehydrated—Trading was reported slow. Prices were unchanged and fairly steady. A further easing of restrictions on uses of castor oil subject to Defense Food Order 1, as amended, was announced July 11 by the Department of Agriculture. Appendix A to DFO 1 has been amended, effective July 1, 1952, to (1) increase, by 20 percentage points, the use of castor oil in each of the specified class uses now limited to 30 or 60 percent of the base period use, and (2) decrease the permitted use of castor oil in the production of sebacic acid from unlimited use to 100 percent of the base period use. The increases from the 60 percent to the 80 percent category include the following class uses: textiles; imitation leather and coated fabrics; brake lining; paint, varnish, lacquer, resins, and vehicles; pigment and dye; lubricating grease; and plastics. The class use designated as "all other" is increased from 30 percent to 50 percent of the base period use. No change is made in the class uses already contained in the 100 percent category.

Coconut—Crude oil was sharply lower, selling down to 9¾c. per pound, tankcars, f.o.b. Pacific coast for immediate shipment, closing at 9½c. nominal. Futures

For Late Market Developments, See Page 4

also were lower and quoted at 8¾c. per pound, August and September shipment. At New York market was quoted nominally at 10½c. per pound, tankcars.

Copra—Increased offerings and slow demand weakened this market and quotations dropped $10 per ton. Shipments were quoted nominally at $125 per ton, c.i.f. Pacific coast.

Corn—Market was weaker with competing oils. Business was limited, with trading in crude at 12¼c. per pound, tankcars, f.o.b. mills. Refined oil was lower at 15¼c. per pound, tankcars, New York basis.

Cottonseed Refined—Easier crude and quiet demand created a weaker tone and quotations were slightly lower. Tankcars were quoted at 15⅝c. per pound, New York basis.

Oiticica—This market was easier under increased offerings and quotations declined fractionally. Liquid was quoted nominally at 23c. to 23¼c. per pound, tankcars, New York delivery. Drums also were easy, ranging from 24½c. to 25c. per pound, drums, as to quantity.

Olive—Small lot trading continued for immediate requirements. Prices were well held at $2.15 to $2.30 per gallon, drums, duty paid, on spot depending upon quantity and quality. Olive foots were quiet and nominal at 16c. to 16½c. per pound, drums, spot, according to quantity.

Palm—Buying interest was quiet. Clarified was unchanged at 12¾c. per pound, drums, and 11½c. per pound, tankcars, spot delivery.

Peanut—This market was the firmest on the list and prices were lifted 1c. per pound. Crude oil sold up to 16¼c. and 16c. per pound, tankcars, f.o.b. mills, with sellers quoting at the lower figure. Refined oil also was firmer and advanced to 19c. per pound, tankcars, New York delivery.

Rapeseed—Continued lack of demand unsettled this market and nominal quotations were lowered to 18½c. per pound, tankcars, New York, for prompt delivery.

Soybean—Slackened demand and weaker soybeans, resulted in fractional declines last week. Buying interest dried up. Crude oil sold down to 11⅛c. per pound, tankcars, f.o.b. mills, for July-September shipment. Light sales of October-December were reported at 10½c. per pound, same basis. Refined edible oil declined to 13⅞c. per pound, tankcars, New York delivery. Clarified and alkali refined also were easier and off ¼c. per pound.

Sales and prices of prime crude soybean (Contract "W") on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended July 11 follow:—

	Sales	Cents per pound High	Low	Close
July	20	11.41	11.00	Expired
September	100	11.40	10.85	11.00@11.05
October	45	10.95	10.70	10.60@10.70
November	2	10.60	10.60	10.50@10.65
December	12	11.02	10.50	10.50@10.58
March	20	10.94	10.70	10.60@10.70

Total sales, 199 contracts.

Tung—Business was practically at a standstill last week. Prices were unchanged and nominal at 39⅜c. to 39½c. per pound, tankcars, New York for immediate shipment and 39¼c. for September. Oil in drums ranged from 41c. to 41½c. per pound, according to quantity.

Los Angeles Vegetable Oils Market

Los Angeles.—Following were tankcar prices, f.o.b. Los Angeles, unless otherwise designated:—

Castor, AA, 30½c. per pound; No. 3, 30¼c. per pound; dehydrated, bodied, 37.10c. per pound, l.c.l.; dehydrated, unbodied, 35.60c. per pound, l.c.l. Coconut, crude, 8½c. per pound. Corn, crude, 12⅜c. per pound; refined, 16.02c. per pound. Cottonseed, crude, 12c. per pound, Texas; 12⅜c. per pound, Valley; refined, 16c. per pound. Linseed, 16.1c. per pound. Peanut, crude, 16c. per pound, f.o.b. mill; refined, 20c. per pound. Soybean, crude, 11c. per pound, midwest; refined, 14¼c. per pound. Tung, 39.375c. per pound.

Fats and Greases

Greases—This market continued unsettled and all grades were off ¼c. per pound, except choice white which declined ½c. Weakness in the West, combined with slow business were dominant factors. Offerings were liberal with buyers showing little interest. Choice white was quoted at 6¼c. per pound, tankcars, delivered; yellow, 4⅛c.; house, 3⅞c. and brown, 3⅜c., same basis.

Lard—Business was quiet. Market was easier and off fractionally. Cash lard was nominal at 11⅛c. per pound, tierces, Chicago.

Tallow—Buying interest slackened considerably last week and prices dropped ¼c. per pound. Soapers were reported buyers of limited quantities at the decline and withdrew from the market. Liberal offering here and from the West overhung the market. Fancy was quoted at 6⅜c. per pound, tankcars, delivered; extra, 6⅛c.; special, 5⅜c. and No. 1, 4⅜c., same basis.

Animal Oils

This market continued in the doldrums last week. Weakness of tallow and greases unsettled grease and tallow oils, but nominal quotations were unchanged. Demand for neatsfoot oil was slow. Prices, however, were fairly steady, due to scarcity of pressing stock. Oleo oil and stearine were in light supply and well held.

Fish Oils

Cod—Consuming inquiry continued inactive for spot and later requirements. Market was featureless and entirely nominal. Tanked oil on spot was quoted at 11½c. to 12c. per pound, drums, according to quantity. Offers for shipment continued light.

Refined—Buying interest was confined to small lots for immediate needs. Quotations were unchanged. Light pressed was quoted at 11c. to 11.2c. per pound, tankcars, New York delivery, which could be discounted for carlot quantities. Crude menhaden oil was quiet and maintained at 7c. per pound, tankcars, f.o.b. Baltimore and 6c., Gulf ports.

Los Angeles.—The local market for fish oils continued quiet during the week. Crude tuna oil remained nominal at 6c. per pound, f.o.b. San Pedro, with bids at 5.75c. per pound. The Canadian herring oil market is stronger at 9c. per pound, duty and tax paid U. S. funds, f.o.b. Seattle. To date, there has been no mention of a price schedule for new crop sardine oil at Monterey.

Fatty Acids

This market was unsettled by lower basic oils and fats and prices declined ½c. to 1c. per pound. Red oil, stearic acid, cottonseed, soybean and tallow fatty acids were dropped ½c., while hydrogenated tallow fatty acid was cut 1c. per pound.

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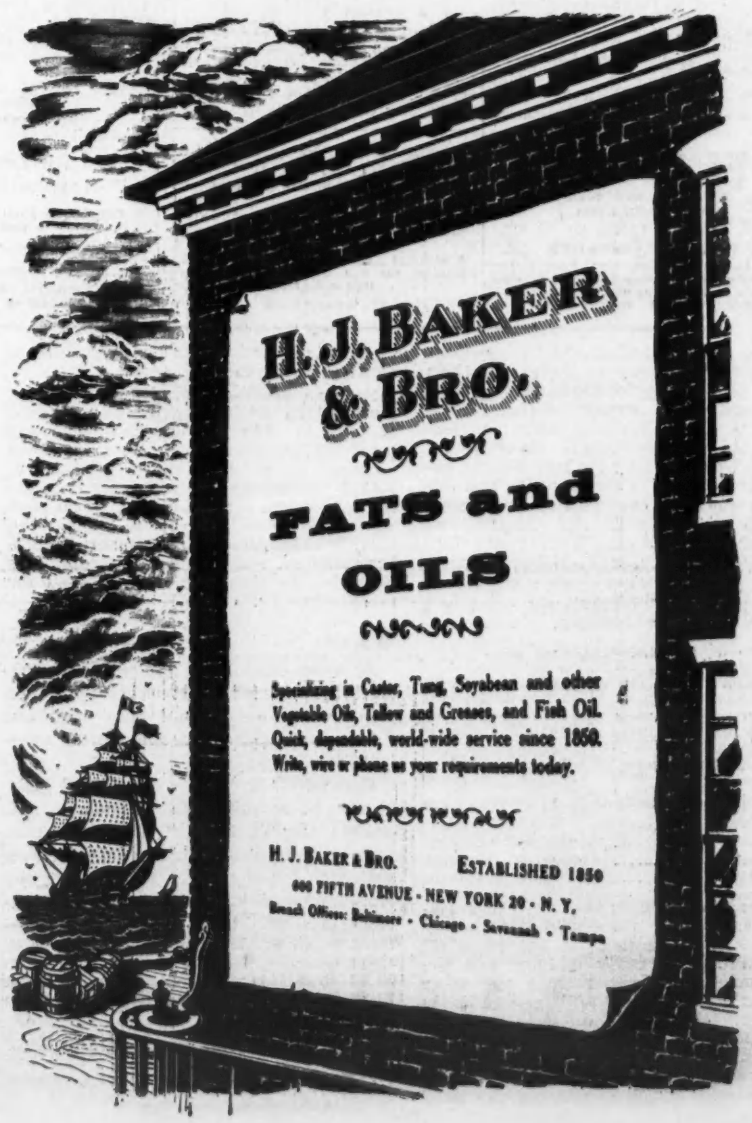
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for cottonseed and what effect the government loan will have on their operations before making any commitments on new cottonseed meal. Actual trading continued at a standstill except for a few isolated cars of resale meal. Some of the imported cottonseed cake and meal is beginning to arrive in this country and filling the gap until new crop domestic meal becomes available in late August and September.

Linseed Meal—Announcement of higher price ceilings by OPS were not received up to presstime. Market was quiet and entirely nominal at ceilings.

Minneapolis.—Linseed meal continued in very light supply with several processors temporarily shut down. The trade watched with interest for the new ceiling regulation reportedly due this week but nominal prices remained unchanged with extracted linseed meal quoted by crushers at $70 to $71 a ton, bulk, in carlots, f.o.b., Minneapolis; expeller meal at $71.50 to $72 a ton, bulk.

Shipments of linseed meal, in pounds, were as follows:—

	1951-52	1950-51
Past week	6,000,000	14,040,000
Since Sept.	484,830,000	778,230,000

Peanut Feed—Mills that are still crushing peanuts have about sold their supply of meal although demand has eased off somewhat. It is fairly definite that the government will not release any more peanuts for crushing until new crop in October. The supply of meal available until October is very small and possibly will run out if feed demand picks up from the present slump. Prices are holding fairly steady at $90 to $91 per ton basis southeastern mill points for July through September shipments.

Soybean Meal—A few isolated cars of southeastern production meal was offered at $101 to $103 per ton f.o.b. shipping points. Most of this is resale. Soybean mixtures ranged from $90 to $92 per ton bulk, basis Decatur, July through September shipment. Pure soybean meal was offered at the ceiling price of $81 per ton bulk, Decatur, October, November, December shipment coupled. Actual trading was light due to unusually slow demand for manufactured feeds.

Waxes

Beeswax—Quietness prevailed in this market last week. Most of the consumer plants were shut down due to vacations. Prices were unchanged and merely nominal for all grades.

Carnauba—Business was reported practically at a standstill. Consumers and dealers showed little, if any interest in replacements. Prices ruled steady for spot delivery, reflecting the firmness of the Brazilian market. No. 3 crude was unchanged at 98c. to $1 per pound, and refined, $1.03 to $1.04 per pound, depending upon quantity. No. 1 yellow ranged from $1.28 to $1.30 per pound and No. 2 at $1.26 to $1.28 per pound, depending upon quantity.

Ouricury—Inquiry for ouricury also was inactive and refined was unchanged and nominal at 79c. to 80c. per pound, prompt delivery as to seller and quantity.

Fats and Oils Market Potential Seen Larger

Potential markets for larger amounts of inedible fats and oils of agricultural origin may be available in the chemical processing industries, according to a report announced last week by the Department of Agriculture. The report describes briefly some of the principal processes on which the potential industrial market for inedible fats and oils appears to depend.

Some new chemicals which offer possibilities for expanded use of inedible fats and oils such as tallow and grease have been developed by private and governmental research agencies through various processing methods, according to the report. In general, derivatives of fats and oils have certain characteristics in common, but each one also has certain unique differences which make it more acceptable to certain processors or manufacturers.

This report is based on a marketing survey of the fats and oils processing industries which was carried out in 1950 and 1951 through a research contract with a private consulting chemist. In addition to conducting the survey, the contractor brought together most of the technical material presented in the report and furnished cost estimates from information already available to him.

The report, prepared by the fats and oils branch of the Production and Marketing Administration under authority of the agricultural marketing act of 1946, covers the first phase of a study of industrial demand for inedible fats and oils of agricultural origin. The relationships of emulsifiers and synthetic detergents to the industrial markets for fats and oils will be considered more fully in other phases of the study. Special emphasis is being placed on inedible animal fats and oils because, since World War II, their consumption has not kept pace with the increased supply, even at depressed prices.

A copy of this report, "Marketing of Nondrying Industrial Fats and Oils as Affected by Processing Methods," may be obtained from the office of information services, PMA, USDA, Washington 25, D. C.

Warwick Appoints Black

E. J. Black has been appointed sales manager of the industrial surfectant department, according to an announcement from Ernest Nathan, president of Warwick Chemical Company, a division of Sun Chemical Corporation, Long Island City, N. Y. Prior to joining Warwick, Mr. Black was associated with General Aniline & Film Corporation at its central research laboratories and Antara sales department.

Mullins in New Dow Post

Denis J. Mullins, former office salesman in New York, has been named a plastics molding powders salesman for that area, it has been announced by Donald L. Gibb, manager of the plastics sales department, the Dow Chemical Company, Midland, Mich. Mr. Mullins joined Dow in 1949, after several years with American Cyanamid Company.

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RAYMOND PULVERIZERS: 3#5047 Raymond High Side, 7½" face rolls, Whizzer Separators, New Oil Journals, complete.

1—#5057 5-roll Raymond High Side, with oil journals, piping complete.

2—Raymond 4-roll High Side Mills, each complete with 50 HP. 3/60/2200 volt motor, connecting piping, etc.

FILTERS: 4—#12 Sweetland Filters for 36 leaves on 4" c/c; 502 sq. ft. f.a. One without leaves; one for 72 leaves on 2" c/c, 1,004 sq. ft. f.a.

BALL AND TUBE MILLS: 4—Traylor Tube Grinding Mills, silex lined, 5' x 22', with herringbone steel gears; 5' x 20', 4'6" x 18'6", 4'6" x 14'.

8—Pebble Mills, porcelain lined, 5' dia. x 4'; 3—6' x 8', 800 gals. each.

MISCELLANEOUS: 2—UNUSED 18" x 28" Bird solid bowl Stainless Steel Continuous Centrifugals.

4—Centrif. Air Classifiers: 6' & 16' Raymond, 8' Gayco, 16' Sturtevant.

6—Devine #28 Vacuum Shelf Dryers, each 20 shelves 59" x 78", Condensers & Pumps.

12—Shriver 42" x 42", Cast Iron Filter Presses, Plate & Frame, 18, 27, 36, 54 chambers, 1" cake.

18—Sperry 18" x 18", Cast Iron, P & F, Filter Presses, closed del., 11 cham.

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4—3000 gal. Baker Perkins jacketed Mixers, size 30, type X-BS, welded.

1—Tolhurst 40" monel Centrifugal, suspended type.

3—Mikro Pulverizers, 2TH, 2SI, 4TH.

2—500 gal. steel jacketed closed agitated Vacuum Reactors.

2—700 gal. closed jacketed Kettles, with Simplex Turbo Mixers, reduction drive, m.d.

2—Dorr Classifier, washing type, each 2-stage 3' x 26' long, with drive.

1—Hardinge Rotary classifier 6' x 14'. Also for scrubbing and dewatering.

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1—Fletcher 40" suspended type Centrifugal, stainless perforated basket, bottom discharge, motor driven.

1—Tolhurst 32" suspended type Centrifugal, Monel perforated basket, bottom discharge, motor driven.

1—Bird 36"x60" solid bowl, continuous centrifuge, stainless steel.

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4—Oliver 3'x1', 3'x4', 8'x12' steel Rotary Vacuum Filters.

1—Oliver 3'x4' Rotary Vacuum Filter with pressure tight housing.

2—Oliver 8'x10' Monel Rotary Vacuum Filters.

1—No. 7 Sweetland Filter with 27 leaves on 3" centers.

4—Shriver 36"x36" cast iron, plate and frame Filter Presses, 30 chambers.

5—Shriver 30"x30" cast iron, plate and frame Filter Presses, 30 chambers.

4—Sperry 24"x24" cast iron, plate and frame Filter Presses, 16 chambers.

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2—Buflovak 42"x120", 32"x100" atmospheric double drum Dryers, complete.

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7—Groen 150, 125 gallon, stainless jacketed, agitated kettles.

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1—Shriver 36"x36" Celeron P & F Filter Press, 50 chambers.

1—Baker Perkins type JNM, 100 gallon Double Arm, jacketed Mixer.

1—Eimco 4'x4' Rotary Vacuum Filter with motors, pumps, piping all on steel base.

2—Raymond 4-roll high side Roller Mills, complete.

2—No. 12 Sweetlands with 72 stainless steel leaves, 2" centers

1—Buflokast 1000 gallon direct fired agitated nitrating Kettle.

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M14-197	H. K. Porter Porcelain Lined Pebble Mill 5' x 6' with 25 HP.
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M8-178	Hardinge Conical Ball Mill; 10' x 36" with Feedometer, etc.
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M8-181	Hardinge Conical Ball Mill; silica block lined; 5' x 36".
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M19-199	Lehman Hi-Speed 5 Roll Soap Mill; 15-1/2" x 39-1/2" 60 HP motor.
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15—C. I. Filter Presses, 10" to 36" sizes.

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1—Feinc Rotary Vacuum Filter, 4'6" dia. x 6' face, aluminum.

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1#00 Raymond Mill 30 H.P., complete.
2—#0000 Raymond Mills.
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1—Robinson 22" B.B. Attrition Mill.
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#7 Nash with Air Separator, bronze trim.

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16'x90'x9/16" Allis Chalmers.
5'x67'x5/16" with lifters.
4'x64'x⅜".
7'x60'x¾" with lifters.
4'x35'x½" with burner.
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Paddle, double shaft, 140 cu. ft. (NEW).
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2579—Devine Surface Condenser; 20"x60"; 160 sq. ft.

2484 A42—Steel Shell Heat Exchanger with copper tubes; 5' long.

2571—Devine Surface Condenser; 30"x8'8" high; 129 sq. ft.

1000 C5—C.H. Wheeler Surface Condenser; horizontal; Muntz metal; 2100 sq. ft. heat transfer surface.

1000 C6—C.H. Wheeler Surface Condenser; horizontal; 1456 Copper tubes offering 4000 sq. ft. heat transfer surface.

3274 A—Four Heat Exchangers 4'8"x28', 1½" steel tubes; 3000 sq. ft.; 3820 sq. ft.; 4400 sq. ft.; 5029 sq. ft.

E12-160—Stainless Steel Jacketed Evaporator; 3'6"x6' ASME; Vacuum Built with calandria.

1000 C-102X—Four Heat Exchangers, 5'8"x28' with 2" steel tubes; 6700 sq. ft.; 8'x28'10"—14,000 sq. ft.; 4'x24"—3800 sq. ft.

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3274 B—Two Heat Exchangers 27"x27'; 1½" steel tubes, 580 sq. ft. and 387 sq. ft.

E13-161—Harris Stainless Steel Vacuum Pan with Stainless coils 6'x30'9" overall; with condenser, Vac. Pump, etc.

E13-162—Nickel Clad Evaporator; 6'6"x10'

9908 H2—Copper Steam Jacketed Vacuum Pan; 38½"x42"

9908 H3—Aluminum Steam Jacketed Vacuum Pan; 40"x 60"

2755 R19—Steel Still, 54"x96" with receiver.

3470—Stainless Steel Bubble Cap Column 16 section; 8⅝"x19'

T9-245—Monel Converter 2500 Gal. 5'9"x12'

C14-135—Fractionating Columnor Tower; 24"x51'; packed rasching rings.

C14-136—HCL Absorber; 15"x 16' 6½"

C14-137—Stainless Steel HI Pressure Scrubber; 12"x4'

2018—Monel Water Distillation Apparatus; compression type; 22"x67"

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POSITIONS OFFERED

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POSITIONS OFFERED

Wanted—Male—Sales. Machinery Salesman opening with established chemical manufacturer to take full charge of disposal of excess equipment. Please state experience, personal qualifications, references, salary information in your reply. OPD 488.

Wanted Experienced Trader to establish department. Moderate salary, plus profit sharing up to 50% of the profits, write appropriate details to OPD 474.

Industrial Chemical Salesman to handle complete line with well established firm in Southeast. Position requires chemical background, sales experience and aggressive initiative. Replies treated confidentially, and should include previous experience, salary requirements and personal data. OPD 483.

POSITIONS WANTED

Industrial Chemical Salesman New England territory where presently established. Extensive heavy industrial chemical background and experience gained in association with prime chemical manufacturers. College trained, age forty-two, married. Immediately available. OPD 485.

Sulphur Export Quota

—Continued from page 4

eliminating this material from cotton dust formulations in areas not regularly requiring sulphur for spider mite control, appears to have had considerable effect upon the volume of mixtures distributed without sulphur.

4. Proof of the gradual and substantial replacement of sulphur by more specific and more efficient organic pesticides is the knowledge that a large part of the deliveries of crude sulphur for grinding is (a) remaining in inventories (b) used for export dusts, or (c) being offered for non-agricultural purposes.

Sulphur Licensed for Export

A representative of the Office of International Trade told the committee that in the first six months of this year 17,400,000 pounds of conditioned sulphur, used primarily for crop dusting, were licensed for export. In the same period, OIT also licensed 81,100,000 pounds of formulations containing 20 percent or more sulphur for cotton dusting.

The total for the first half of 1952 for all sulphur containing pesticides amounted to 98.500,000 pounds. The amount licensed for export in 1951 was 120,000,000 pounds. The OIT spokesman estimated that the foreign requirements for sulphur containing formulations for fiscal 1952-53 may go as high as 200,000,000 pounds.

NPA emphasized the need for further conservation of the nation's sulphur resources. Supplies of elemental sulphur and sulphur equivalents are expected to fall short of the 8,500,000 ton sulphur expansion goal set for 1955 by 1,500,000 tons.

The committee recommended that educational efforts be made to acquaint farmers with the efficiency of the recently developed organic insecticides, miticides and fungicides in order to reduce dependency on sulphur.

It was the consensus of the committee that OIT and the industry work together to obtain accurate information concerning the quantities of ground sulphur and sulphur containing formulations actually exported as compared with the quantities licensed for export.

Explosives Transport Rules For Ships Are Overhauled

A complete revision of its regulations covering the transportation and storage of explosives and other dangerous articles on board vessels was issued July 17 by the United States Coast Guard. The revisions grow out of the hearings by the Merchant Marine Council last September.

The purpose of the amendments is to revise and bring up to date the earlier rules of the Coast Guard on the same subject. The revision permits a number of new explosives, new hazardous articles in the form of compressed gases, and new poisonous articles, all of which have become commercially important, to be shipped by water in increasing quantities. Also allowed is the use of new containers when transporting certain commodities by water.

All the changes and requirements are in agreement with the Interstate Commerce Commission's regulations insofar as it is practicable for water transportation, it was stated.

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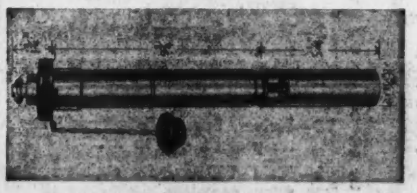

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